

# ***Connecticut Department of Transportation***

## **OZONE Air Quality Conformity Determination**

of the  
**2015 Regional Transportation Plans and the  
FY 2018-2021 Transportation Improvement Programs Amendments  
for the Connecticut portion of  
the New York-Northern New Jersey-Long Island, NY-NJ-CT  
Ozone Nonattainment Area and the Greater Connecticut Ozone Nonattainment  
Area**



**May 2017**

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*Note: The Connecticut portion of the New York-Northern New Jersey-Long Island Nonattainment area (Fairfield, New Haven and Middlesex counties) and the Greater Connecticut Nonattainment area (Hartford, New London, Tolland, Windham and Litchfield counties) have been designated as Moderate Nonattainment areas. This document includes the documentation of the regional analysis for both nonattainment areas within the State of Connecticut, as well as documentation and information on the processes and procedures undertaken by Connecticut Department of Transportation, coordinator of Air Quality Conformity for the Connecticut Regional Planning Organizations.*

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## **INTRODUCTION**

This report was prepared to document the emissions analysis that was completed to evaluate Transportation Conformity of the Metropolitan Regional Planning Organizations' Fiscal Year 2018-2021 Transportation Improvement Programs (TIP) and the 2015 Regional Long Range Transportation Plans (LRTP) to the State Implementation Plan (SIP) for air quality. This submittal incorporates the FY 2018-2021 TIPs and 2015 LRTPs from Connecticut's Regional Planning Organizations (RPOs), and Mobile Vehicle Emission Budgets (MVEBs).

The report is submitted to satisfy the requirements of the SIP, as revised.

The statewide travel demand models were rerun, along with accompanying Vehicle Miles of Travel (VMT) and the MOVES2014a emissions model. The results of these runs show a decrease in emissions in the affected area and therefore the transportation program and plan continue to conform to the State's air quality plan.

On November 15, 1990, the Clean Air Act Amendments (CAAA) of 1990 was signed into law. On August 15, 1997, the Environmental Protection Agency (EPA) published the Final Conformity Rule. Effective February 17, 2004, EPA approved a revision to the Connecticut SIP for the attainment and maintenance of the one-hour National Ambient Air Quality Standard (NAAQS) for ground level ozone.<sup>1</sup> Emissions budgets for the 2007 Volatile Organic Compounds (VOC) and Nitrogen Oxides (NOx) motor vehicle emissions were calculated using MOBILE6.2 for the Connecticut portion of the New York-Northern New Jersey-Long Island Nonattainment area and the 2007 motor vehicle emissions budgets (MVEBs) for the Greater Connecticut Nonattainment area. Procedures and criteria contained in that document provided the basis for this Conformity determination. Implementation of these rules has been accomplished through a cooperative effort of the Regional Planning Organizations (RPOs), EPA, Federal Transit Administration (FTA), Federal Highway Administration (FHWA),

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<sup>1</sup> 40CFR Part 52

Connecticut Department of Transportation (CTDOT) and the Connecticut Department of Energy and Environmental Protection (CTDEEP).

In June of 2004, EPA finalized eight-hour conformity rules for ozone nonattainment areas in Connecticut, which became effective in June of 2005. These areas were designated as 'Moderate' Nonattainment for the eight-hour standard: the Connecticut portion of the New York-Northern New Jersey-Long Island eight-hour ozone Nonattainment Area, consisting of Fairfield, New Haven and Middlesex counties and the Greater Connecticut eight-hour ozone Nonattainment Area, consisting of Hartford, Litchfield, New London, Tolland and Windham counties. Emissions were tested against the new eight-hour budgets, which were developed jointly by CTDEEP and CTDOT, and found adequate by EPA on June 27, 2008.

The 2009 MVEBs established in 2008 for each of Connecticut's nonattainment areas represented CTDEEP's planning estimate at that time of the level of motor vehicle emissions that would be necessary to produce timely attainment of the 1997 8-hour ozone NAAQS. The appropriateness of the 2009 MVEBs was confirmed by actual monitored 2009 design values, which demonstrated that both nonattainment areas had achieved timely attainment of the NAAQS.

On August 23, 2010, CTDEEP requested EPA to retain the 2009 MVEBs as adequate ozone precursor budgets for future transportation conformity determinations and for EPA to withdraw the adequacy determination for the 2012 MVEBs, which were set at lower emission levels in case attainment was not achieved by 2009. On December 30, 2010 EPA informed CTDEEP that it was withdrawing its previous adequacy finding on the 2012 out year MVEBs contained in Connecticut's 8-hour ozone attainment demonstration SIP. Connecticut's withdrawal of the 2012 MVEBs was published in the Federal Register on February 15, 2011 and the budget change became effective 15 days after publication of the announcement.

On May 21, 2012, the Federal Register (77 FR 30160) established the approach for classifying nonattainment areas, set attainment deadlines, and revoked the 1997 Ozone

standard for transportation conformity purposes. Areas designated nonattainment for classifying nonattainment areas, set attainment deadlines, and revoked the 1997 Ozone standard for transportation conformity purposes. Areas designated nonattainment for the 2008 Ozone NAAQS were classified into one of the following categories, based on the severity of their ozone problem: Marginal, Moderate, Serious, Severe, or Extreme. EPA established attainment dates for the 2008 primary ozone NAAQS based on the area's classification, as shown in Table 1.<sup>2</sup> Both of the State's nonattainment areas were classified as "Marginal" for the 2008 Ozone NAAQS.

**TABLE 1: Classification Categories and Attainment Dates**

Classification	Attainment Date
Marginal	December 31, 2015
Moderate	December 31, 2018
Serious	December 31, 2021
Severe	December 31, 2027
Extreme	December 31, 2032

The EPA has determined that 11 Marginal areas did not attain the 2008 ozone standards by the July 20, 2015, attainment date, and that these areas do not qualify for a 1-year attainment date extension, and that they must be reclassified as Moderate based on their 2012-2014 air quality data. Both the Greater Connecticut and the New York-Northern New Jersey-Long Island (NY-NJ-CT) areas were two of the eleven areas.<sup>3</sup> The "bump-up" designation to Moderate was effective on June 3, 2016.

In this action, the EPA is also establishing a due date of January 1, 2017, by which states with newly-reclassified Moderate areas must submit State Implementation Plan (SIP) revisions to address Moderate nonattainment area requirements for those areas. The

<sup>2</sup> Source: Table 4 in 77 FR 30160

<sup>3</sup> <https://www.epa.gov/sites/production/files/2016-04/documents/20160411factsheet.pdf>

reclassified areas must attain the 2008 ozone standards as expeditiously as practicable.

On March 20, 2017, EPA notified CTDEEP that EPA has determined the MVEBs for the Greater Connecticut Ozone non-attainment area, submitted as a SIP revision by CTDEEP to EPA on January 17, 2017, to be adequate for transportation conformity purposes. The VOC and NOx emissions shown for the Greater Connecticut area do not exceed the newly determined adequate budgets. These new budgets will be effective fifteen days after EPA publishes a Notice of Adequacy in the Federal Register.

Finally, for the New York-Northern New Jersey-Long Island, NY-NJ-CT, area, the EPA is rescinding the clean data determination issued in June 2012, and is issuing a new SIP call, for the 1997 ozone NAAQS. The states in the New York City area may satisfy the SIP call for the 1997 NAAQS by making timely submittals to meet the Moderate area SIP requirements that now apply to this area for the 2008 ozone NAAQS.<sup>4</sup>

MOVES2014a includes three new emission control programs associated with regulation promulgated since the release of MOVES2010b:

- Tier 3 emission standards that phase in beginning in 2017 for cars, light-duty trucks, medium-duty passenger vehicles, and some heavy-duty trucks, and Tier 3 fuel standards that require lower sulfur gasoline beginning in 2017.
- Heavy-duty engine and vehicle greenhouse gas (GHG) regulations that phase in during model years 2014-2018.
- The second phase of light-duty vehicle GHG regulations that phase in for model years 2017-2025 cars and light trucks.

MOVES2014a also includes new and updated emissions data from a wide range of test programs and other sources. The most significant changes include new effects of fuel properties such as gasoline sulfur and ethanol, new data on evaporative emissions from fuel leaks and from vehicles parked for multiple days, new analysis of particulate

<sup>4</sup><https://www.federalregister.gov/articles/2016/05/04/2016-09729/determinations-of-attainment-by-the-attainment-date-extensions-of-the-attainment-date-and#h-41>

matter (PM) data related to PM speciation and temperature effects on running PM emissions and new real world in-use emissions for heavy-duty vehicles using data from portable emission monitoring systems.

MOVES2014a estimates exhaust and evaporative emissions as well as brake and tire wear emissions from all types of on-road vehicles. MOVES2014a also uses a vehicle classification system based on the way vehicles are classified in the FHWA's Highway Performance Monitoring System (HPMS). Other parameters include vehicle miles<sup>5</sup> traveled (VMT) by vehicle and road type, vehicle hours traveled (VHT) by vehicle and road type, the number of each type of vehicle in the fleet, vehicle age distribution, model year, travel speed, roadway type, fuel information, meteorological data, such as ambient temperature and humidity, and applicable control measures such as reformulated gasoline (RFG) and inspection and maintenance (I/M). Local inputs were cooperatively developed by CTDEEP and CTDOT, where applicable, using EPA<sup>5</sup> recommended methods.

Emissions are now tested against the established eight-hour budgets, which were developed jointly by CTDEEP and CTDOT, and found adequate by EPA on June 27, 2008. In November 2012, EPA confirmed by telephone to CTDEEP that future conformity determinations utilizing the MOVES2010b model can be made by comparing emission results to the existing MOBILE6.2 budgets for Ozone.

Therefore, as the 2009 MVEBs are adequate ozone precursor budgets, this Air Quality Conformity analysis will compare future year emissions to this base.

## **Vehicle Emissions**

### **Ozone**

Ground level ozone is a major component of smog. It is formed by sunlight and heat

<sup>5</sup> "MOVES2014 and MOVES2014a Technical Guidance: Using MOVES to Prepare Emission Inventories for State Implementation Plans and Transportation Conformity", EPA-420-B-15-093, November 2015

acting upon fuel combustion products such as nitrogen oxides and hydrocarbons. Ozone occurs naturally in the upper atmosphere and shields the earth from ultraviolet radiation. However, at ground level, ozone is a severe irritant. Because ozone formation is directly related to atmospheric temperatures, problematic ozone levels occur most frequently on hot summer afternoons.

Ozone exposure is linked to respiratory illnesses such as asthma and lung inflammation and can exacerbate existing respiratory ailments. Ozone pollution can also severely damage vegetation, including agricultural crops and forest habitats.

### **Nitrogen Oxides (NOx)**

Mobile source nitrogen oxides form when nitrogen and oxygen atoms chemically react inside the high pressure and temperature conditions in an engine. Nitrogen oxides are precursors for ozone and can also contribute to the formation of acidic rain.

### **Hydrocarbons or Volatile Organic Compounds (VOC)**

Hydrocarbon emissions are a product of partial fuel combustion, fuel evaporation and refueling losses caused by spillage and vapor leakage. VOC reacts with nitrogen oxides and sunlight to form ozone.

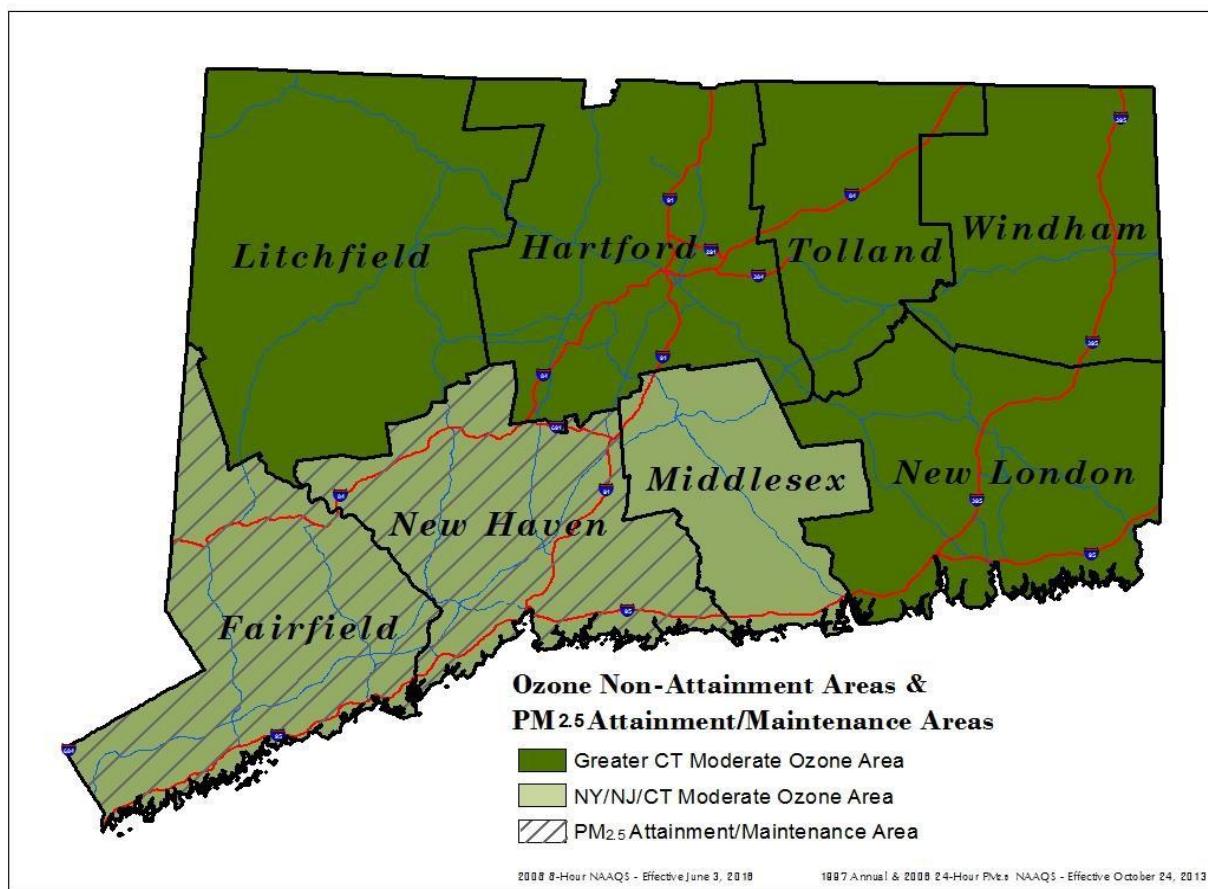
### **Carbon Monoxide (CO)**

Carbon monoxide is produced by the incomplete burning of carbon in fuels, including gasoline. High concentrations of CO occur along roadsides in heavy traffic, particularly at major intersections and in enclosed areas such as garages and poorly ventilated tunnels. Peak concentrations occur during the colder months of the year when CO vehicular emissions are greater.

## **Ozone Nonattainment Areas**

On March 27, 2008, EPA finalized new ozone standards which tightened the standard to 0.075 parts per million (ppm) from the previous, 1997 ozone standard of 0.08 ppm.

On May 21, 2012, EPA finalized designations for this new ozone standard, effective July 20, 2012. The nonattainment areas have changed under the latest 2008 ground-level ozone eight-hour standard. The Connecticut portion of the New York-Northern New Jersey-Long Island Nonattainment Area (Fairfield, New Haven and Middlesex counties) and the Greater Connecticut Area (Hartford, New London, Tolland, Windham and Litchfield counties) have been designated as Moderate Nonattainment areas, effective June 3, 2016. Figure 1 below shows the two Moderate Nonattainment areas in Connecticut.



**Figure 1: Connecticut Ozone Nonattainment Areas and PM<sub>2.5</sub> Attainment/Maintenance Area**

## CO Nonattainment Areas

There were formerly three CO Nonattainment Areas in the state. These were the Southwest portion of the state, the greater New Haven area, and the greater Hartford area. The remainder of the state was in attainment for CO. Attainment was demonstrated in each of these areas and, subsequently, they were designated as Full Maintenance areas. On September 13, 2004, EPA approved a CTDEEP submittal for a SIP revision for re-designation of these areas to Limited Maintenance Plan status, thus eliminating the need for budget testing. Effective January 2, 2016, the Greater Hartford Area was in full attainment status. In the future, “hot-spot” carbon monoxide analyses will be performed to satisfy “project level” conformity determinations. Figure 2 below shows the CO attainment/maintenance areas in Connecticut.

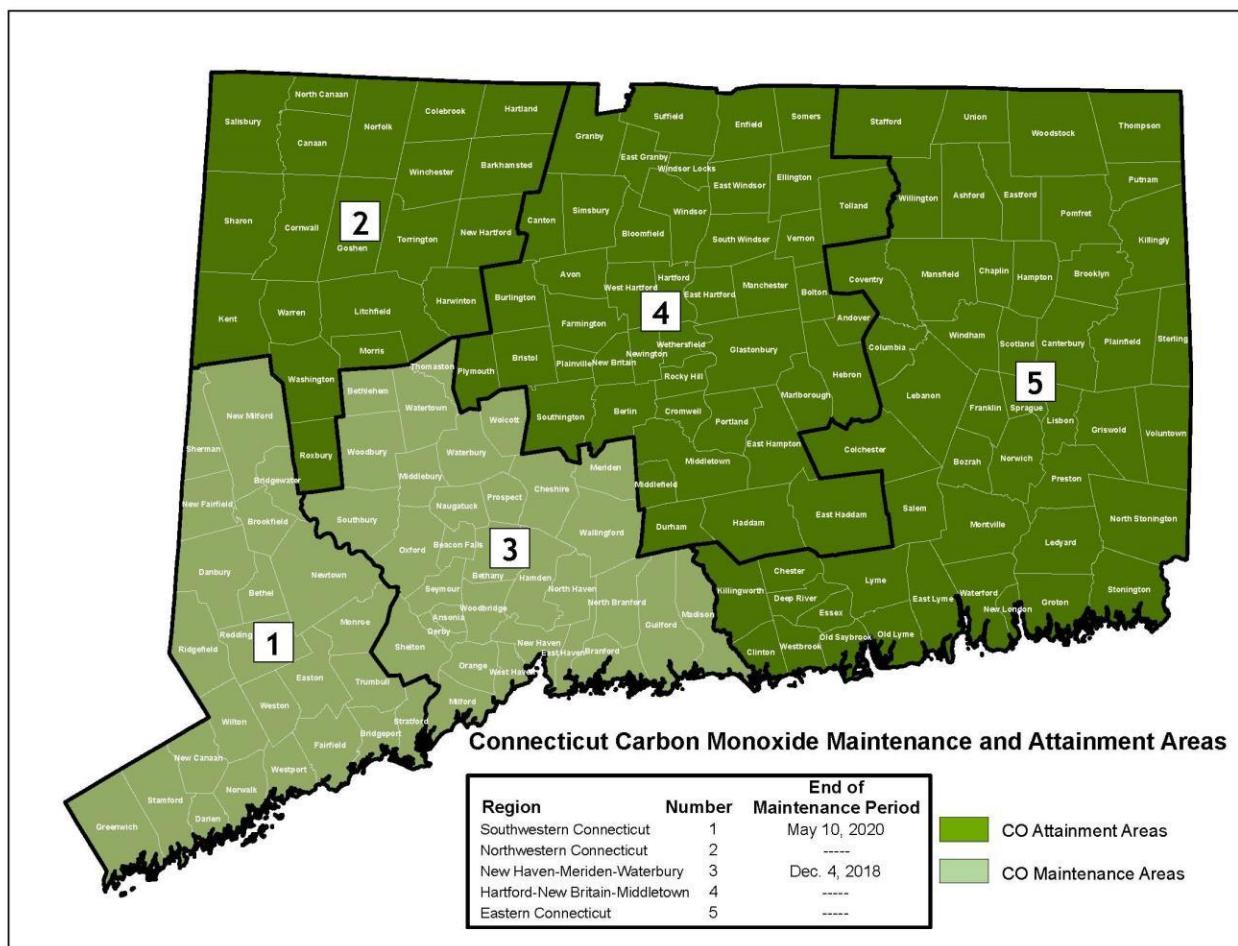


Figure 2: Connecticut Carbon Monoxide Maintenance and Attainment Areas

## Conformity Tests

Under the Conformity Rules, the following test for VOC/NOx must be met:

- TEST 1

For VOC and NOx, transportation emissions from the Action Scenarios must be less than the 2009 transportation emission budgets if analysis year is 2009 or later.

As the CO areas have been approved by EPA for Limited Maintenance Plan status, no tests for CO are required.

The **ACTION SCENARIO** is the future transportation system that will result from full implementation of the Transportation Improvement Programs (TIP) and Long Range Transportation Plans (LRTP).

**VOC/NOx** emission analysis was conducted for summer conditions and for the following years:

- 2009 (eight-hour MVEB year)
- 2018 (New Attainment year and near term analysis year)
- 2025 (Interim modeling year)
- 2035 (Interim modeling year)
- 2040 (Long Range Transportation Plan horizon year)

At this time, the following eight-hour emission budgets have been approved by EPA for use in this conformity analysis:

1. In 2009 and subsequent years, VOC in the Connecticut portion of the New York- Northern New Jersey-Long Island Moderate Nonattainment area must be less than 27.4 tons per summer day.
2. In 2009 and subsequent years, NOx in the Connecticut portion of the New

York- Northern New Jersey-Long Island Moderate Nonattainment area must be less than 54.6 tons per summer day.

3. In 2017 and subsequent years, VOC in the Greater Connecticut Moderate Nonattainment area must be less than 15.9 tons per summer day.
4. In 2017 and subsequent years, NOx in the Greater Connecticut Moderate Nonattainment area must be less than 22.2 tons per summer day.

## **Interagency Consultation**

An Interagency Consultation Meeting was held on February 7, 2017 to address the need to prepare an Air Quality Determination Analysis for these TIP amendments. All Metropolitan Planning Organizations (MPO's), rural COGs, FHWA, FTA, EPA, and CTDEEP were invited to review and comment on the project's Air Quality coding, analysis years to be modeled, and comments on the latest planning assumptions to be utilized for this conformity.

The project Air Quality coding is as follows:

CC – Conformity Analysis Completed

M – Modeled in the Department's highway or transit networks

NM – Requires modeling and will be included into the Department's highway and transit networks prior to conformity analysis

NRS –a highway or transit project on a facility that does not serve regional needs or is not normally included in the regional travel simulation model and does not fit into an exempt project category in Table 2 or 3 of the Final Rule (40 CFR 93).

RS – Regionally Significant refers to a transportation project in the TIP and/or STIP (other than an exempt project) that is on a facility which serves regional transportation needs such as access to and from the area outside of the region, major activity centers in the regions, major planned development such as new retail malls, sports complexes, etc., or transportation terminals as well as most terminals themselves) and would normally be included in the modeling of a metropolitan area's transportation network, including at a minimum all principal arterial highways and all fixed guide-way transit facilities that offer an alternative

to regional highway travel (40 CFR 93.101). Once a project is identified as regionally significant, it must be included in the analysis regardless of funding source.

Exempt Project – a project listed in Table 2 or 3 of the Final Rule (40 CFR 93) that primarily enhances safety or aesthetics, maintains mass transit, continues current levels of ridesharing, or builds bicycle and pedestrian facilities.

X6 - Project exempt from the requirement to determine conformity under 40 CFR 93.126

X7 – Project exempt from regional emissions analysis requirements under 40 CFR 93.127

X8 – Traffic synchronization projects may be approved, funded and implemented without satisfying conformity requirements under 40 CFR 93.128

It was agreed upon that the 2011 vehicle registration data file would be utilized for this Conformity Determination and CTDEEP and CTDOT staff would discuss update of this file.

A copy of the Interagency Consultation Meeting minutes is included in Appendix A. The final emissions analysis was prepared and the report was distributed for the 30 day public comment period.

## **Public Consultation**

As required by the Final Rule, the transportation conformity process must include public consultation on the emissions analysis and conformity determination for Ozone determinations. This includes posting of relevant documentation and analysis on a “clearinghouse” webpage maintained through the interagency consultation process. All MPOs in the Connecticut Ozone Nonattainment areas must provide thirty day public comment periods and address any comments received. For this Ozone transportation conformity determination, all Connecticut MPOs will hold a thirty day public comment period.

## **VMT and Emissions Estimates**

VMT estimates were developed from CTDOT's statewide network-based travel model. The 2015 travel model network, to the extent practical, represents all state highways and major connecting non-state streets and roads, as well as the rail, local bus, and expresses bus systems that currently exist. Future highway networks for 2018, 2020, 2025 and 2030 and transit networks for 2018, 2020, 2030 and 2040 were built by adding Statewide Transportation Improvement Program (STIP), TIP and LRTP projects (programmed for opening after 2017) to the 2017 network year. These networks were used to run travel models and conduct emissions analysis for the years 2018, 2025, 2035, and 2040. Projects for each model analysis year for which network changes were required are shown on Table 2 as follows:

**TABLE 2 LIST OF NETWORK CHANGES**

**2018 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES
PROJECT NUMBER		FROM      TO
HIGHWAY NAME		
TOWN		
IMPROVEMENT		
<b>CAPITAL REGION</b>		
0131-0190	Remove Bridge Number 00518	1/1      0/0
ROUTE 10	Reconstruct 10/322 Intersection	
SOUTHINGTON	CCD 11/2017, TIP	
BRIDGE REMOVAL		
<b>GREATER BRIDGEPORT</b>		
0015-TMP1	Realignment of Lafayette Circle and establishment of bidirectional traffic on Fairfield Avenue	0/1      1/1
LAFAYETTE CIRCLE		
BRIDGEPORT	CCD 2017, TIP	
REALIGNMENT		
0036-0184	Main Street Derby from Bridge Street to Route 8	1/1      2/2
ROUTE 34	South Exit15 On/Off Ramps (Ausonio Street)	
DERBY	CCD 2018, TIP	
WIDENING		
<b>HOUSATONIC VALLEY</b>		
0034-0347	State Route 806 (Newtown Road) from Old	1/1      2/2
SR 806	Newtown to Plumtrees & from Eagle to Industrial	
NEWTOWN ROAD	Plaza, Danbury - Widening from 1 lane each direction	
DANBURY	to 2 lanes each direction	
	CCD 2016, TIP	
<b>SOUTH CENTRAL</b>		
0079-XXXX	Multiple lane and directional changes in the center	VARIOUS
WEST MAIN STREET	of town. Conversion of multiple one way streets to	
MERIDEN	two ways. Conversion of a two way street to one	
DIRECTIONAL AND	way. Reduction of one lane in each direction for one	
LANE CHANGES	street	
	CCD 2018, TIP	

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2018 NETWORK CHANGES**

<b>NEW MPO</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NUMBER</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
 <b>SOUTH CENTRAL</b> <b>(CONT'D)</b>			
0092-0531 I-95 NEW HAVEN BRIDGE REPLACEMENT	Q Bridge Replacement and demolition; Contract E CCD 2016, TIP	3/3	5/5
0092-0532 I-95 NEW HAVEN BRIDGE REPLACEMENT	Q Bridge Replacement and demolition; Contract B CCD 2016, TIP	3/3	5/5
0092-0627 I-95 NEW HAVEN BRIDGE REPLACEMENT	Q Bridge Replacement and demolition; Contract B2 CCD 2016, TIP	3/3	5/5
0092-XXXX NORTH FRONTAGE ROAD NEW HAVEN ROADWAY REMOVAL	Removal of North Frontage Road between State Street & Orange Street CCD 2016, TIP	1/1	0/0
0100-0175 SACKETT POINT ROAD NORTH HAVEN WIDENING	Project to widen Sackett Point Road from 1 lane to 2 lanes CCD 2018, TIP	1/1	2/2

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2018 NETWORK CHANGES**

<b>NEW MPO</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NUMBER</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
 <b>SOUTH WESTERN</b>			
0102-0325	Addition of a through lane on Route 1 Northbound from France Street to Route 53	1/1	1/2
ROUTE 1			
NORWALK	CCD 2018, TIP		
WIDENING			
 0135-0301	Reconstruction of I-95 off ramps and Atlantic Street in vicinity of Metro North Railroad Bridge No.	2/2	3/3
ATLANTIC STREET			
STAMFORD	08012R		
WIDENING	CCD 2018, TIP		
 <b>GREATER BRIDGEPORT</b>			
0138-0211	Addition of a through lane on Route 1 Southbound from Nobel Street to Soundview Avenue	1/2	2/2
ROUTE 1			
STRATFORD	CCD 2018, TIP		
WIDENING			
 <b>CENTRAL NAUGATUCK VALLEY</b>			
0017-0182	Addition of a second through lane on Route 6 Eastbound from Carol Drive (Mix Street/Brook Street) to Peggy Lane (Camp Street)	1/1	2/1
ROUTE 6			
BRISTOL			
WIDENING	CCD 2018, TIP		

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2020 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES	
PROJECT NUMBER		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
<b>CAPITAL REGION</b>			
0051-0259	Interchange improvements at Routes 4, 6, and 9 including a new EB C/D Roadway	N/A	
I84/RT4/RT6			
FARMINGTON	CCD 2019, TIP		
INTERCHANGE			
BSWY			
0063-0703	Relocation and Reconfiguration of Interchange 29 on I-91; New additional lanes Rte. 15 NB from 2 to 3 lanes exit 90 to 0.5 miles beyond Exit 91	3/3	4/3
I-91, EXIT 29			
HARTFORD			
WIDENING	CCD 2020 Long Range Plan		
0155-0156	Add an Operational Lane WB between Interchanges 42 & 39A; Add an Operational Lane EB between Interchanges 40 & 41	3/3	4/4
I-84			
WEST HARTFORD			
OPERATIONAL LANES	CCD 2018		
<b>CENTRAL NAUGATUCK VALLEY</b>			
0151-0273	Interstate 84	2/2	3/3
I-84	CCD 11/2020, TIP		
WATERBURY			
WIDENING			
0151-XXXX	TIGER Grant includes various roadway changes including reconstruction/extension of Jackson Street. Extension will meet at Freight Street and continue to West Main	N/A	1/1
DOWNTOWN AREA			
WATERBURY			
ADDED ROADWAY	CCD 2019, Long Range Plan		

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2020 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES	
PROJECT NUMBER		FROM	TO
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
 <b>GREATER BRIDGEPORT</b>			
0015-HXXX	Reconstruct and widen Route 130 from Stratford Avenue bridge to Yellow Mill bridge	1/1	2/2
ROUTE 130			
BRIDGEPORT	Long Range Plan		
WIDENING			
 0124-0165	**As of 2/15/2011 current scope from consultant is spot improvements for from Swan Avenue to Franklin Street	1/1	2/2
ROUTE 67			
SEYMOUR	Project Manager** Bank Street from West Street to North Main St is full scope being reviewed by consultant		
MAJOR WIDENING	Long Range Plan		
 0124-XXXX	Between Interchange 22 and 23 to improve access	N/A	
ROUTE 8	Long Range Plan		
SEYMOUR			
INTERCHANGE			
 0124-XXXX	Realign interchange with new extension of Derby Road	N/A	
ROUTE 8			
SEYMOUR	Long Range Plan		
INTERCHANGE			
 0126-XXXX	Interchange 11- Construct new SB entrance ramp, Widen Bridgeport Avenue	N/A	
ROUTE 8			
SHELTON	Long Range Plan		
MAJOR WIDENING			

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2020 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES	
PROJECT NUMBER		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
<b>GREATER BRIDGEPORT (CONT'D)</b>			
0126-XXXX	Between Huntington Avenue and Constitution Boulevard	1/1	2/2
ROUTE 714			
SHELTON	Long Range Plan		
MAJOR WIDENING			
NEW MPO			
0138-0248	Reconstruct Interchange 33 on I-95 to provide full interchange from partial to full diamond interchange	N/A	
I-95, EXIT 33			
STRATFORD			
INTERCHANGE	CCD 2020, Long Range Plan		
RECONSTRUCTION			
<b>HOUSATONIC VALLEY</b>			
0008-XXXX	Operational Improvements on White Street at Locust Avenue and Eighth Avenue	1/1	1/2
WHITE STREET			
DANBURY	CCD 2020, Long Range Plan		
WIDENING			
0096-0204	Addition of a through lane on Route 34 EB from Wasserman Way to Toddy Hill Road. Addition of I-84 WB and EB on-ramp from Route 34 WB	1/1	2/1
ROUTE 34			
NEWTOWN			
WIDENING	CCD 2020, TIP		
<b>SOUTH CENTRAL</b>			
0092-XXXX	Intersection Improvements at Route 69 and Pond Lily Avenue	N/A	
ROUTE 69			
NEW HAVEN	Long Range Plan		
INTERSECTION			
IMPROVEMENTS			

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2025 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES	
PROJECT NUMBER		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
<b>CAPITAL REGION</b>			
0042-0317 ROUTE 2 EAST HARTFORD WIDENING	Removal of the Cambridge Street to Route 2 Westbound On-Ramp and the Sutton Avenue to Route 2 Eastbound Off-Ramp. New through lane on Main Street Northbound underneath Route 2 at the approach to the Route 2 Westbound Off-Ramp CCD 2021, TIP	0/1	0/2
0055-0142 ROUTE 10 & 202 GRANBY WIDENING	Addition of a second through lane on Route 20/189 Westbound from Route 10/202 to Route 20 and Route 189 split. Addition of a second through lane on Route 20 Westbound from Hungary Road to Route 10/202. Addition of a second through lane on Route 10/202 Northbound from Route 189 to Route 20/189. CCD 2022, TIP	VARIOUS	
<b>LOWER CT RIVER VALLEY</b>			
0082-0316 ROUTE 17 MIDDLETOWN INTERCHANGE RECONFIGURATION	Reconfiguration and realignment of Route 17 On-Ramp onto Route 9 from Main Street. Removal of the Harbor Drive to Route 9 Northbound On-Ramp CCD 2025, TIP	N/A	
0082-0318 ROUTE 9 MIDDLETOWN REMOVE LANE	Removal of a through lane on Route 9 Southbound from just North of Miller Street to just South of Washington Street. Route 9 access to Washington Street/DeKoven Drive has been limited to an on-ramp to Route 9 Southbound. CCD 2021, TIP	N/A	

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2025 NETWORK CHANGES**

<b>NEW MPO</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NUMBER</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b>SOUTHEASTERN</b> 0120-0079 ROUTE 85	Addition of a second through lane on Route 85 Northbound from just North of Chesterfield Road to just South of Deer Run. CCD 2024, TIP	1/1	2/1
MONTVILLE WIDENING			
<b>SOUTH WESTERN</b> 0102-0358 ROUTE 7 AND ROUTE 15 NORWALK INTERCHANGE RECONFIGURATION	Reconfiguration of the interchanges between Route 7, Route 15, and Main Avenue. These changes include multiple new and reconfigured on and off ramps designed to allow access to and from all three major roadways CCD 2025, TIP		N/A

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2028 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES
PROJECT NUMBER		FROM      TO
HIGHWAY NAME		
TOWN		
IMPROVEMENT		
<b>SOUTHEASTERN</b>		
ROUTE 82	Removal of a through lane on Route 82 Eastbound	N/A
NORWICH	from just West of Pine Street to just West of	
REMOVE LANE	Fairmont Street	
	CCD 2027, TIP	

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2030 NETWORK CHANGES**

<b>NEW MPO</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NUMBER</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
 <b>CAPITAL REGION</b>			
VARIOUS TOWNS	New Haven/Hartford/Springfield Rail Service	N/A	
NEW COMMUTER RAIL	Governor's Transportation Initiative Long Range Plan		
 0109-XXXX	New Britain Avenue Cooke Street to Hooker Street	1/1	2/2
PLAINVILLE	Long Range Plan		
ADD LANE			
 VARIOUS TOWNS	New Haven/Hartford/Springfield Rail Service	N/A	
NEW COMMUTER RAIL	Governor's Transportation Initiative Long Range Plan		
 <b>CENTRAL NAUGATUCK VALLEY</b>			
0080-0128	Add auxiliary lanes at Int. 17 and on Routes 63/64 CCD 2030	1/1	2/2
I-84, Routes 63-64	Long Range Plan		
MIDDLEBURY/WATERBURY			
WIDENING			
 <b>GREATER BRIDGEPORT</b>			
0036-0179	Interchange 18 - Construct New NB entrance ramp.	N/A	
ROUTE 8	Long Range Plan		
ANSONIA			
INTERCHANGE			

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2030 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES	
PROJECT NUMBER		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
<b>GREATER BRIDGEPORT (CONT'D)</b>			
0036-XXXX	Route 8 Interchange 16 and 17; Construct new NB ramps. Close old ramps		N/A
ROUTE 8			
DERBY	Long Range Plan		
INTERCHANGE			
0126-XXXX	Interchange 14 - Construct new SB entrance ramp		N/A
ROUTE 8			
SHELTON	Long Range Plan		
INTERCHANGE			
<b>HOUSATONIC VALLEY</b>			
0018-0124	South of Old State Road to Route 133	1/1	2/2
US 202	Long Range Plan		
BROOKFIELD			
WIDENING			
0034-0288	From Kenosia Avenue easterly to I-84 (Exit 4)	1/1	2/2
ROUTE 6	Long Range Plan		
DANBURY			
ADD LANES			
0034-XXXX	From I-84 (Exit 2) East to Kenosia Avenue	1/1	2/2
ROUTE 6	Long Range Plan		
DANBURY			
ADD LANES			
0034-XXXX	From Route I-84 (Exit 6) Northerly to Jeanette Street	1/1	2/2
ROUTE 37	Long Range Plan		
DANBURY			
ADD LANES			

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)****2030 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES	
PROJECT NUMBER		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
 <b>HOUSATONIC VALLEY (CONT'D)</b>			
0034-XXXX	Between Interchanges 3 and 4. Between Interchanges 12 and 13	3/3	4/4
I-84			
DANBURY, NEWTOWN, SOUTHBURY	Long Range Plan		
ADD LANES			
0034-XXXX	Widen Kenosia Avenue from Backus Avenue to Vicinity of Lake Kenosia	1/1	2/2
DANBURY			
ADD LANES	Long Range Plan		
0034-XXXX	Widen Backus Avenue from Kenosia Avenue to Miry Brook Road	1/1	2/2
DANBURY			
ADD LANES	Long Range Plan		
0034-XXXX	From South Street northerly to Boughton Street;	1/1	2/2
ROUTE 53	Long Range Plan		
DANBURY			
ADD LANES			
0034-XXXX	From Route 53 (Main Street) northerly to I-84 (Exit 6)	1/1	2/2
ROUTE 37			
DANBURY	Long Range Plan		
ADD LANES			
0096-XXXX	New Road across Old Fairfield Hills Hospital Campus,	0/0	1/1
NEWTOWN	From Route 6 South to Route 860		
NEW ROAD	Long Range Plan		
ADD LANES			

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2030 NETWORK CHANGES**

<b>NEW MPO</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NUMBER</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
<b>SOUTH CENTRAL</b>			
0014-XXXX	East Haven Town Line to Alps Road (Echlin Road Private)	2/2	2/3
ROUTE 1			
BRANFORD	Long Range Plan		
WIDENING			
0014-XXXX	Route 146 to Cedar Street	2/2	2/3
ROUTE 1	Long Range Plan		
BRANFORD			
WIDENING			
0014-XXXX	Cedar Street to East Main	1/1	1/2
ROUTE 1	Long Range Plan		
BRANFORD			
WIDENING			
0014-XXXX	East Main to I-95 Exit 55	1/1	1/2
ROUTE 1	Long Range Plan		
BRANFORD			
WIDENING			
0014-XXXX	I-95 Exit 55 to Leetes Island Road	1/1	1/2
ROUTE 1	Long Range Plan		
BRANFORD			
WIDENING			
0059-XXXX	Bullard Road extension to Route 77	0/0	1/1
BULLARD RD	Long Range Plan		
GUILFORD			
WIDENING			

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2030 NETWORK CHANGES**

<b>NEW MPO</b>	<b>DESCRIPTION</b>	<b>LANES</b>	
<b>PROJECT NUMBER</b>		<b>FROM</b>	<b>TO</b>
<b>HIGHWAY NAME</b>			
<b>TOWN</b>			
<b>IMPROVEMENT</b>			
 <b>SOUTH CENTRAL (CONT'D)</b>			
0059-XXXX	State Street to Tanner Marsh Road	1/1	1/2
ROUTE 1	Long Range Plan		
GUILFORD			
WIDENING			
 0061-XXXX	Washington Avenue to Route 40	2/2	2/3
ROUTE 10	Long Range Plan		
HAMDEN			
WIDENING			
 0061-XXXX	Route 40 to Todd Street	2/2	2/3
ROUTE 10	Long Range Plan		
HAMDEN			
WIDENING			
 0061-XXXX	Todd Street to Shepard Avenue	1/1	2/2
ROUTE 10	Long Range Plan		
HAMDEN			
WIDENING			
 0061-XXXX	River Street to Cheshire Town Line	1/1	2/2
ROUTE 10	Long Range Plan		
HAMDEN			
WIDENING			
 0061-XXXX	Olds Street (Hamden) to Sackett Point Road	1/1	2/2
ROUTE 5	Long Range Plan		
HAMDEN, NORTH HAVEN			
WIDENING			

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2030 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES
PROJECT NUMBER		FROM      TO
HIGHWAY NAME		
TOWN		
IMPROVEMENT		
<b>SOUTH CENTRAL (CONT'D)</b>		
0073-XXXX	New Rail Station near Salemme Lane in Orange	N/A
ORANGE	CCD 2030 Long Range Plan	
NEW RAIL STATION		
0079-XXXX	Wallingford Town Line to Olive Street (Route 71)	1/1
ROUTE 5	Long Range Plan	2/2
MERIDEN		
WIDENING		
0083-XXXX	From West of Old Gate Lane to Gulf Street/Clark	1/1
ROUTE 162	Street to Route 1	2/2
MILFORD	Long Range Plan	
WIDENING		
0092-0649	Long Wharf access Plan Widen I-95 (in separate	VARIABLES
NEW HAVEN	project), Eliminate Long Wharf Drive to expand park,	
	add new road from Long Wharf Drive	
	Long Range Plan	
0092-XXXX	From Route 63 to Landin Street	1/1
ROUTE 69	Long Range Plan	2/2
NEW HAVEN, WOODBRIDGE		
WIDENING		
0092-XXXX	From Dayton Street (NH) to Landin Street (Wdbg)	1/2
ROUTE 63	Long Range Plan	2/3
NEW HAVEN, WOODBRIDGE		
WIDENING		

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2030 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES	
PROJECT NUMBER		FROM	TO
HIGHWAY NAME			
TOWN			
IMPROVEMENT			
<b>SOUTH CENTRAL (CONT'D)</b>			
0098-XXXX	From East Haven Town Line to Doral Farms Road and Route 22 to Guilford Town Line	1/1	1/2
ROUTE 80			
NORTH BRANFORD	Long Range Plan		
WIDENING			
0106-XXXX	From West Haven Town Line to US 1	1/1	2/2
ROUTE 162	Long Range Plan		
ORANGE			
WIDENING			
0148-XXXX	From South Orchard Street. to Ward Street and Christian Road to Meriden Town Line	1/1	2/2
ROUTE 5			
WALLINGFORD	Long Range Plan		
ROUTE 5			
0148-XXXX	From Route 71 overpass South of Old Colony Road to Route 68	1/1	1/2
ROUTE 150			
WALLINGFORD	Long Range Plan		
ROUTE 5			
0156-XXXX	Route 1 to Elm Street	1/1	2/2
ROUTE 122	Long Range Plan		
WEST HAVEN			
WIDENING			
0156-XXXX	Campbell Avenue to Orange Town Line	1/1	2/2
ROUTE 1	Long Range Plan		
WEST HAVEN			
WIDENING			

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2030 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES
PROJECT NUMBER		FROM      TO
HIGHWAY NAME		
TOWN		
IMPROVEMENT		
 <b>SOUTH CENTRAL (CONT'D)</b>		
0156-XXXX	Elm Street to Greta Street	2/2      2/3
ROUTE 162	Long Range Plan	
WEST HAVEN		
WIDENING		
 0156-XXXX	Bull Hill Ln to Orange Town Line	1/1      2/2
ROUTE 162	Long Range Plan	
WEST HAVEN		
WIDENING		
 VARIOUS TOWNS	New Haven/Hartford/Springfield Rail Service	N/A
NEW COMMUTER	Governor's Transportation Initiative	
RAIL	Long Range Plan	
 <b>SOUTH WESTERN</b>		
0035-XXXX	Add Lane from Stamford Exit 8 to Darien Exit 10,	3/3      4/4
I-95	Operational Lane	
Darien-Stamford	Long Range Plan	
WIDENING		
 0102-0269	Upgrade to full interchange at Merritt Parkway	N/A
US 7/RT 15	(Route 15) BID 01-09-08	
NORWALK	CCD 2030, Long Range Plan	
UPGRADE		
EXPRESSWAY		
 0102-0297	East Avenue from the vicinity of the I-95 Ramps	1/1      2/2
EAST AVE #1	southerly to the vicinity of Van Zant Street	
NORWALK	Long Range Plan	
WIDENING		

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2030 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES
PROJECT NUMBER		FROM      TO
HIGHWAY NAME		
TOWN		
IMPROVEMENT		
 <b>SOUTH WESTERN (CONT'D)</b>		
0102-0312	Reconstruction of Interchange 40 Merritt Parkway and Route 7 (Main Avenue). Breakout of 0102-0269	N/A
ROUTE 7/15	Phase 1	
NORWALK		
UPGRADE	CCD 2030, Long Range Plan	
EXPRESSWAY		
 0102-XXXX	Express Bus/BRT between Norwalk and Greenwich	N/A
NORWALK-GREENWICH	Long Range Plan	
BRT		

**TABLE 2 LIST OF NETWORK CHANGES (CONT'D)**

**2040 NETWORK CHANGES**

NEW MPO	DESCRIPTION	LANES
PROJECT NUMBER		FROM      TO
HIGHWAY NAME		
TOWN		
IMPROVEMENT		
 <b>GREATER BRIDGEPORT</b>		
0015-XXXX	New Rail Station near Barnum Street in	N/A
NEW RAIL STATION	Bridgeport	
	CCD 2040 Long Range Plan	

In addition, the travel model incorporates the effect of the Employer Commute Options (ECO) Program in Southwest Connecticut (part of the Connecticut Portion of the NY-NJ-LI Marginal Nonattainment area). In response to federal legislation, Connecticut has restructured the ECO Program to emphasize voluntary participation, combined with positive incentives, to encourage employees to rideshare, use transit, and continue to expand their trip reduction activities. This program has been made available to all employers. It is felt that this process is an effective means of achieving Connecticut's clean air targets. Funding for this effort under the Congestion Mitigation and Air Quality Improvements (CMAQ) Program is included in the TIP for FY 2018-2021. It is estimated that this program, if fully successful, could reduce Vehicle Miles of Travel (VMT) and mobile source VOC emissions by two percent in Southwestern Connecticut.

It should be noted that TIP and LRTP projects which have negligible impact on trip distribution and/or highway capacity have not been incorporated into the network. These include, but are not limited to, geometric improvements of existing interchanges, short sections of climbing lanes, intersection improvements, and transit projects dealing with equipment for existing facilities and vehicles, and transit operating assistance. Essentially, those projects that do not impact the travel demand forecasts are not included in the networks and/or analysis.

The network-based travel model used for this analysis is the model that CTDOT utilizes for transportation planning, programming and design requirements. This travel demand model uses demographic and land use assumptions based on the 2010 Census population and Connecticut Department of Labor 2010 employment estimates. Population and employment projections for the years 2020, 2030 and 2040 were developed by the Connecticut Department of Transportation, Travel Demand and Air Quality Modeling Unit and approved by all the regional planning agencies in early 2012.

The model uses a constrained equilibrium approach to allocate trips among links. The model was calibrated using 2013 ground counts and 2013 Highway Performance Monitoring System (HPMS) Vehicle Miles of Travel data.

Peak hour directional traffic volumes were estimated as a percentage of the ADT on a link by link basis. Based on automatic traffic recorder data, 9.0 percent, 8.5 percent, 8.0 percent and 7.5 percent of the Average Daily Traffic (ADT) occurs during the four highest hours of the day. A 55:45 directional split was assumed. Hourly volumes were then converted to Service Flow Levels (SFL) and Volume to Capacity (V/C) ratios calculated as follows:

- SFL = DHV/PHF\*N
- VC = SFL / C

where:

- DHV = Directional Hourly Volume
- PHF = Peak Hour Factor = .9
- N = Number of lanes
- C = Capacity of lane

Peak period speeds were estimated from the 2000 Highway Capacity Manual based on the design speed, facility class, area type and the calculated V/C ratio. On the expressway system, Connecticut-based free flow speed data was available. This data was deemed more appropriate and superseded the capacity manual speed values. The expressway free flow speeds were updated in 2005.

For the off-peak hours, traffic volume is not the controlling factor for vehicle speed. Off-peak link speeds were based on the Highway Capacity Manual free flow speeds as a function of facility class and area type. As before, Connecticut-based speed data was substituted for expressway facilities and was updated in 2005.

Two special cases exist in the modeling process: centroid connectors and intrazonal trips.

- Centroid connectors represent the local roads used to gain access to the model network from centers of activity in each traffic analysis zone (TAZ). A speed of 25

mph is assumed for these links.

- Intrazonal trips are trips that are too short to get on to the model network. VMT for intrazonal trips is calculated based on the size of each individual TAZ. A speed of 20 to 24 mph is assumed for the peak period and 25 to 29 mph for the off-peak period.

The Daily Vehicle Miles of Travel (DVMT) is calculated using a methodology based on disaggregate speed, converted to summer and winter VMTs, and summarized by Nonattainment area, functional class, and speed. The VMT and speed profiles developed by this process are then combined with the emission factors from the MOVES2014a model to produce emission estimates for each scenario and time frame. The MOVES2014a input and output data may be found in the Appendices.

Table 3 on the following page shows the 2018 through 2040 Action Emissions and Eight-Hour Budgets for Volatile Organic Compounds (VOC), and Nitrogen Oxides (NOx) resulting from this process.

**TABLE 3**  
**VMT - OZONE EMISSIONS - SIP BUDGETS**  
**Series 31C**

Year	Ozone Area	Series 31C		Budgets		Difference	
		VOC	NOX	VOC	NOX	VOC	NOX
2018	CT Portion of NY-NJ-LI Area	16.56	22.39	27.40	54.60	-10.84	-32.21
	Greater CT Portion	15.07	19.74	26.30	49.20	-11.23	-29.46
2025	CT Portion of NY-NJ-LI Area	12.33	13.26	27.40	54.60	-15.07	-41.34
	Greater CT Portion	11.38	11.86	26.30	49.20	-14.92	-37.34
2035	CT Portion of NY-NJ-LI Area	7.26	7.86	27.40	54.60	-20.14	-46.74
	Greater CT Portion	6.65	6.91	26.30	49.20	-19.65	-42.29
2040	CT Portion of NY-NJ-LI Area	6.68	7.35	27.40	54.60	-20.72	-47.25
	Greater CT Portion	6.15	6.48	26.30	49.20	-20.15	-42.72

Note:

- 1 A small reduction in the Greater Connecticut area will occur from the ECO program in the Connecticut portion of the NY-NJ-LI due to travel between the areas.
- 2 VOC & NOX emissions are in tons per summer day and are calculated using Connecticut's vehicle mix.
- 3 HPMS 14 Functional Class system used.
- 4 National Low Emission Vehicle (NLEV) program included in 2008 and all future years.
- 5 Eight Hour Ozone emission budgets effective June 27, 2008
- 6 Series 31C with 20 iteration equilibrium assignment.

In the NY-NJ-LI portion, the transportation program and plan meet the required conformity test:

- Action year emissions are less than approved 2009 budgets for VOX/NOx

In the Greater Connecticut area, the transportation program and plan meet the required conformity test:

- Action year emissions are less than approved 2017 budgets for VOX/NOx

This analysis in no way reflects the full benefit on air quality from the transportation plan and program. The network-based modeling process is capable of assessing the impact of major new highway or transit service. It does not reflect the impact from the many projects which are categorically excluded from the requirement of conformity. These projects include numerous improvements to intersections, which will allow traffic to flow more efficiently, thus reducing delay, fuel usage and emissions. The program also includes a significant number of miles of resurfacing. Studies have shown that smooth pavement reduces fuel consumption and the attendant CO and VOC emissions. Included in the TIP but not reflected in this analysis are many projects to maintain existing rail and bus systems. Without these projects, those systems could not offer a high level of service. With them, the mass transit systems function more efficiently, with improved safety, and provide a more dependable and aesthetically appealing service. These advantages will retain existing patrons and attract additional riders to the system. The technology to quantify the air quality benefits from these programs is not currently available.

As shown in this analysis, transportation emissions are declining dramatically and will continue to do so. This is primarily due to programs such as reformulated fuels, enhanced inspection and maintenance (I/M) programs, stage two vapor recovery (area source), and the low emissions vehicles (LEV) program.

MOVES2014a includes three new emission control programs associated with regulation promulgated since the release of MOVES2010b:

- Tier 3 emission standards that phase in beginning in 2017 for cars, light-duty trucks, medium-duty passenger vehicles, and some heavy-duty trucks, and Tier 3 fuel standards that require lower sulfur gasoline beginning in 2017.
- Heavy-duty engine and vehicle greenhouse gas (GHG) regulations that phase in during model years 2014-2018.
- The second phase of light-duty vehicle GHG regulations that phase in for model years 2017-2025 cars and light trucks.

Changes in the transportation system will not produce significant emission reductions because of the massive existing rail, bus, highway systems, and land development already in place. Change in these aspects is usually marginal, producing very small impacts.

## **PM 10**

EPA previously designated the City of New Haven as Nonattainment with respect to the National Ambient Air Quality Standards (NAAQS) for particulate matter with a nominal diameter of ten microns or less (PM<sub>10</sub>). The PM<sub>10</sub> Nonattainment status in New Haven was a local problem stemming from activities of several businesses located in the Stiles Street section of the City. Numerous violations in the late 1980's and early 1990's of Section 22a-174-18 (Fugitive Dust) of CTDEEP regulations in that section of the city led to a nonattainment designation (CTDEEP, 1994: Narrative Connecticut Department of Energy and Environmental Protection, State Implementation Plan Revision For PM<sub>10</sub>, March 1994). Corrective actions were subsequently identified in the State Implementation Plan and implemented, with no violations of the PM<sub>10</sub> NAAQS since the mid-1990's.

All construction activities undertaken in the City of New Haven are required to be performed in compliance with Section 22a-174-18 (Control of Particulate "Emissions") of the CTDEEP regulations. All reasonable available control measures

must be implemented during construction to mitigate particulate matter emissions, including wind-blown fugitive dust, mud and dirt carry out, and re-entrained fugitive emission from mobile equipment. The projects contained in the STIP and Plans, designated within the City of New Haven, are expected to have little effect on the overall projected vehicle miles of travel for the area and are not expected to cause significant additional airborne particulate matter to be generated. The transportation projects initiated in New Haven are not designed to enhance development in the area. Therefore, the projects undertaken in this area will not have a detrimental effect on PM<sub>10</sub> in New Haven.

On October 13, 2005, EPA published in the Federal Register (Vol. 70, No. 197), approval of a request by CTDEEP for a Limited Maintenance Plan and redesignation of the New Haven Nonattainment Area to Attainment for the National Ambient Air Quality Standards for PM<sub>10</sub>. This direct final rule became effective on December 12, 2005.

As with limited maintenance plans for other pollutants, emissions budgets are considered to satisfy transportation conformity's "budget test". However, future "project level" conformity determination may require "hot spot" PM<sub>10</sub> analyses for new transportation projects with significant diesel traffic in accordance with EPA's Final Rule for "PM<sub>2.5</sub> and PM<sub>10</sub> Hot-Spot Analyses in Project-level Transportation Conformity Rule PM<sub>2.5</sub> and PM<sub>10</sub> Amendments; Final Rule (75 FR 4260, March 24, 2010) which became effective on April 23, 2010.

## **PM 2.5**

In December of 2004, EPA signed the final rulemaking notice to designate attainment and Nonattainment areas with respect to the Fine Particles (PM<sub>2.5</sub>) National Ambient Air Quality Standards, becoming effective April 5, 2005. In Connecticut, Fairfield and New Haven counties are included in the New York-Northern New Jersey-Long Island, NY-NJ- CT PM<sub>2.5</sub> Nonattainment area. Transportation plans and transportation improvement programs (TIPS) for the tri-state nonattainment area

were found to be collectively conforming as of November 2006. On June 20, 2007, PM<sub>2.5</sub> budgets were found to be adequate for the early progress SIP. As EPA New England has determined the MOVES2010b 2017 and 2025 motor vehicle emissions budgets submitted on June 22, 2012 to be adequate for transportation conformity purposes and effective as of February 20, 2013. On September 24, 2013, EPA published its approval of the PM<sub>2.5</sub> redesignation request, establishing October 24, 2013 as the effective date of redesignation to attainment/maintenance for Connecticut's portion of the NY-NJ-T Area for both the 1997 annual and 24-hours PM<sub>2.5</sub> NAAQS. The PM<sub>2.5</sub> Conformity Submittal is a separate document which currently includes data specific to Connecticut's five MPO's contained in that attainment/maintenance area.

### Other Planning Documents

The enactment of Section 81 of Connecticut Public Act 13-277 repealed Section 13b-15 of the Connecticut General Statutes, no longer mandating a biennial Master Transportation Plan effective July 1, 2013. The Department's Capital Plan has been expanded to include much of the project information that was formerly included in the MTP. In addition, the Existing Systems document and the Statewide Long Range Transportation Plan contain other information that was included in various MTPs.

### Transportation Planning Work Program

CTDOT's FY 2017-2018 Transportation Planning Work Program contains a description of all planning efforts (including those related to air quality) to be sponsored or undertaken with federal assistance during FY 2017 and 2018. Included with this program are several tasks directly related to CTDOT's responsibilities under Connecticut's SIP for Air Quality. Additional functions, such as those supporting the preparation of project level conformity analysis, are funded under project related tasks. This work program is available at CTDOT for review.

## Conclusions

CTDOT has assessed its compliance with the applicable conformity criteria requirements of the 1990 CAAA. Based upon this analysis, it is concluded that all elements of CTDOT's transportation program and the Regional Long-Range Transportation Plans conform to applicable SIP and 1990 CAAA Conformity Guidance criteria and the approved transportation conformity budgets.

In addition to the information required for a conformity determination, the following is attached:

- Appendix A: Interagency Consultation Meeting Minutes
- Appendix B: The **MOVES2014a** tabulations for each analysis year
- Appendix C: The **MOVES2014a** Input Ozone Emission Runs
- Appendix D: ACRONYMS

Please direct any questions you may have on the air quality emission analysis to:

Connecticut Department of Transportation  
Bureau of Policy and Planning  
Division of Coordination, Modeling and Crash Data – Unit 57531  
Travel Demand / Air Quality Modeling Unit  
2800 Berlin Turnpike  
Newington, CT. 06111  
(860) 594-2032  
Email: [Judy.Raymond@ct.gov](mailto:Judy.Raymond@ct.gov)

**APPENDIX A**

**Interagency Consultation Meeting Minutes**

**INTERAGENCY CONSULTATION MEETING**  
**Statewide Transportation Improvement**  
**Program**  
**Connecticut Department of Transportation**  
**Room 2307 – February 7, 2017**  
**Go To Meeting**

**Attendees:**

Eloise Powell – FHWA  
Ken Shooshan-Stoller, FHWA  
Leah Sirmin – FTA  
Ariel Garcia - EPA  
Jennifer Carrier - CRCOG  
Cara Radzins – CRCOG  
Rob Aloise - CRCOG  
Mark Nielson – CNVMPO  
Christian Meyer – CNVMPO  
Ben Muller - CNVMPO  
Meghan Sloan – CT Metro COG  
Robert Haramut – LCRVCOG  
Stephen Dudley –SCRCOG  
Chris Rappa - SCRCOG  
Richard Guggenheim – SECCOG  
Kate Rattan - SECCOG  
Rob Sachnin – Western COG  
Maribeth Wojenski – CTDOT  
Judy Raymond - CTDOT  
Robbin Cabelus - CTDOT  
Roxane Fromson - CTDOT  
Grayson Wright – CTDOT  
Sara Radacsi – CTDOT  
Matthew Cegielski- CTDOT  
Ryan Dolan – CTDOT  
Greg Pacelli – CTDOT  
Kara Chandler - CTDOT

The Interagency Consultation Meeting was held to review projects submitted for the 2018-2021 STIP.

Both the Ozone and PM 2.5 reports will be electronically distributed to the MPOs in the appropriate Nonattainment/Maintenance areas, FTA, FHWA, DEEP and EPA. The MPOs will need to hold a 30 day public comment and review period. At the end of this review period, the MPO will hold a Policy Board meeting to endorse the Air Quality Conformity determination.

There was also a brief discussion on the travel model and emissions software planning assumptions employed in the conformity analysis.

The schedule for the 2018-2021 Regional Transportation Improvement Plans Conformity Determination Analysis is as follow:

- MPOs transmit signed and dated Concurrence Form to [judy.raymond@ct.gov](mailto:judy.raymond@ct.gov) by February 10, 2017.
- CTDOT Travel Demand Model Unit performs the air quality analysis and sends the Air Quality Conformity Determination Reports electronically to all MPOs in early summer 2017
- MPOs advertise and hold a 30-day public review and comment period for the Air Quality Conformity.
- MPOs hold a Policy Board meeting approving and endorsing the Air Quality Conformity and transmit resolutions to [judy.raymond@ct.gov](mailto:judy.raymond@ct.gov) after Policy Board meeting.

It is important that all MPOs follow this schedule to ensure that the TIP/STIP Conformity Determinations can go forward on schedule.

**PLANNING ASSUMPTIONS**  
**Ozone and PM2.5**  
**2018-2021 Statewide Transportation Improvement Program**  
**February 7, 2017**

<b>Planning Assumptions for Review</b>	<b>Frequency of Review*</b>	<b>Responsible Agency</b>	<b>Year of Data</b>
Socioeconomic Data	At least every 5 years	CTDOT	2010 Census Data available 2012
DMV Vehicle Registration Data	At least every 5 years	CTDEEP	2011 Data available 2012
State Vehicle Inspection and Maintenance Program	Each conformity round	CTDEEP	Same as currently approved I&M SIP
State Low Emission Vehicle Program	Each conformity round following approval into the SIP	CTDEEP	Same as SIP
VMT Mix Data	At least every 5 years	CTDEEP	2010**
Analysis Years – PM 2.5	Each conformity round	CTDOT/CTDEEP	2018, 2025, 2035, 2040
Analysis Years – Ozone	Each conformity round	CTDOT/CTDEEP	2018, 2025, 2035, 2040
Emission Budget – PM2.5	As SIP revised/updated	CTDEEP	2017 / 2025 PM 2.5
Emission Budget – Ozone	As SIP revised/updated	CTDEEP	2009 SW 2017 Gr.CT
Temperatures and Humidity	As SIP revised/updated	CTDEEP	X
Control Strategies	Each conformity round	CTDEEP	X
HPMS VMT	Each conformity round	CTDOT	2013

\* Review of Planning Assumptions does not necessarily prelude an update or calibration of the travel demand model.

\*\* Data not available until 2011

APPENDIX B  
MOVES2014a tabulations

### 2018 MOVES2014a County Summary:

Pollutants		2017 Emission Quantities (Tons/Day)											
		NY/NJ/CT Non-Attainment Area				Greater CT Non-Attainment Area							Statewide
ID	Name	Fairfield	Middlesex	New Haven	Subtotal	Hartford	Litchfield	New London	Tolland	Windham	Subtotal		
1	Hydrocarbons	7.6274	1.6437	7.1406	<b>16.4117</b>	7.8156	1.8309	2.6416	1.4939	1.1044	<b>14.8865</b>	<b>31.2981</b>	
3	Nox	9.9661	2.4093	10.0105	<b>22.3859</b>	10.5144	1.8126	3.8446	2.1539	1.4138	<b>19.7393</b>	<b>42.1252</b>	
79	NM Hydrocarbons	7.2531	1.5533	6.7620	<b>15.5684</b>	7.4237	1.7720	2.4988	1.4078	1.0508	<b>14.1531</b>	<b>29.7215</b>	
87	VOC	7.7097	1.6517	7.1948	<b>16.5562</b>	7.9072	1.8841	2.6612	1.5020	1.1199	<b>15.0744</b>	<b>31.6306</b>	

### 2025 MOVES2014a County Summary:

Pollutants		2025 Emission Quantities (Tons/Day)											Statewide
		NY/NJ/CT Non-Attainment Area				Greater CT Non-Attainment Area							
ID	Name	Fairfield	Middlesex	New Haven	Subtotal	Hartford	Litchfield	New London	Tolland	Windham	Subtotal		
1	Hydrocarbons	5.7190	1.2515	5.4076	<b>12.3781</b>	5.9992	1.3967	1.9892	1.1474	0.8431	<b>11.3756</b>	<b>23.7538</b>	
3	Nox	5.8467	1.4415	5.9709	<b>13.2592</b>	6.3827	1.0401	2.2826	1.3132	0.8443	<b>11.8629</b>	<b>25.1221</b>	
79	NM Hydrocarbons	5.3595	1.1620	5.0332	<b>11.5547</b>	5.6067	1.3457	1.8484	1.0597	0.7907	<b>10.6512</b>	<b>22.2059</b>	
87	VOC	5.7175	1.2404	5.3766	<b>12.3345</b>	5.9939	1.4340	1.9759	1.1353	0.8457	<b>11.3848</b>	<b>23.7193</b>	

### 2035 MOVES2014a County Summary:

Pollutants		2035 Emission Quantities (Tons/Day)											Statewide
		NY/NJ/CT Non-Attainment Area				Greater CT Non-Attainment Area							
ID	Name	Fairfield	Middlesex	New Haven	Subtotal	Hartford	Litchfield	New London	Tolland	Windham	Subtotal		
1	Hydrocarbons	3.3318	0.7501	3.3393	<b>7.4212</b>	3.5313	0.8082	1.1954	0.7082	0.5127	<b>6.7559</b>	<b>14.1771</b>	
3	Nox	3.3550	0.8533	3.6562	<b>7.8644</b>	3.7133	0.5187	1.3589	0.8207	0.5005	<b>6.9120</b>	<b>14.7765</b>	
79	NM Hydrocarbons	3.0337	0.6739	3.0076	<b>6.7152</b>	3.2015	0.7726	1.0743	0.6305	0.4683	<b>6.1472</b>	<b>12.8624</b>	
87	VOC	3.2779	0.7294	3.2559	<b>7.2633</b>	3.4657	0.8309	1.1638	0.6850	0.5072	<b>6.6526</b>	<b>13.9159</b>	

### 2040 MOVES2014a County Summary:

Pollutants		2040 Emission Quantities (Tons/Day)											Statewide
		NY/NJ/CT Non-Attainment Area				Greater CT Non-Attainment Area							
ID	Name	Fairfield	Middlesex	New Haven	Subtotal	Hartford	Litchfield	New London	Tolland	Windham	Subtotal		
1	Hydrocarbons	3.0376	0.6925	3.0718	<b>6.8019</b>	3.2469	0.7390	1.1028	0.6601	0.4774	<b>6.2262</b>	<b>13.0281</b>	
3	Nox	3.1171	0.8020	3.4334	<b>7.3524</b>	3.4812	0.4695	1.2780	0.7816	0.4722	<b>6.4824</b>	<b>13.8348</b>	
79	NM Hydrocarbons	2.7468	0.6174	2.7452	<b>6.1094</b>	2.9223	0.7050	0.9834	0.5828	0.4335	<b>5.6271</b>	<b>11.7365</b>	
87	VOC	2.9989	0.6754	3.0034	<b>6.6777</b>	3.1970	0.7657	1.0767	0.6399	0.4743	<b>6.1537</b>	<b>12.8313</b>	

APPENDIX C  
MOVES 2014a Input Ozone Emission Runs

## 2018 Fairfield

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County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
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    </models>
    <modelscale value="Inv"/>
    <modeldomain value="SINGLE"/>
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County"/>
    </geographicselections>
    <timespan>
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        <month id="7"/>
        <day id="5"/>
        <beginhour id="1"/>
        <endhour id="24"/>
        <aggregateBy key="Hour"/>
    </timespan>
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        <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

sourcetypename="Passenger Truck"/>  
     <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"  
     sourcetypename="Refuse Truck"/>  
     <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"  
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     sourcetypename="Single Unit Long-haul Truck"/>  
     <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"  
     sourcetypename="Single Unit Short-haul Truck"/>  
     <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"  
     sourcetypename="Transit Bus"/>  
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     sourcetypename="Light Commercial Truck"/>  
     <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"  
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     <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"  
     sourcetypename="Passenger Truck"/>  
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     sourcetypename="Light Commercial Truck"/>  
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     sourcetypename="Combination Short-haul Truck"/>  
     <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"  
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     <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"  
     sourcetypename="Motor Home"/>  
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     sourcetypename="Passenger Truck"/>  
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     sourcetypename="School Bus"/>  
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     sourcetypename="Single Unit Long-haul Truck"/>  
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        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
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        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
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Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
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processkey="1" processname="Running Exhaust"/>
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processkey="2" processname="Start Exhaust"/>

```

```

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<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)"
processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)"
processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)"
processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)"
processkey="91" processname="Auxiliary Power Exhaust"/>
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<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
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<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
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Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
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<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
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<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
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Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
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<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
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Compounds" processkey="13" processname="Evap Fuel Leaks"/>
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Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
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```

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Compounds" processkey="90" processname="Extended Idle Exhaust"/>
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Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
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        <databaseselection servername="" databasename="MOVES2014_mylevs" description="" />
    </databaseselections>
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useParameters No

]]></internalcontrolstrategy>
    </internalcontrolstrategies>
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        <fuelsubtype selected="false" />
        <emissionprocess selected="true" />
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</savedata>

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</donotexecute>

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## 2018 Hartford

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County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
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VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
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    </models>
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County"/>
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        <aggregateBy key="Hour"/>
    </timespan>
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        <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
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```

```

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sourcetypename="Single Unit Long-haul Truck"/>
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sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
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<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
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sourcetypename="Light Commercial Truck"/>
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sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
            <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
                <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
                    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)"
processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)"
processkey="2" processname="Start Exhaust"/>

```

```
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="1" processname="Running Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="2" processname="Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="11" processname="Evap Permeation"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
```

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaseselection servername="" databasename="MOVES2014_early_NLEV"
description="" />
    <databaseselection servername="" databasename="MOVES2014_mylevs" description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofprogress
.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" databasename="" description="" />
<uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
    <modelyear selected="false" />
    <fueltype selected="true" />
    <fuelsubtype selected="false" />
    <emissionprocess selected="true" />
    <onroadoffroad selected="true" />
    <roadtype selected="true" />
    <sourceusetype selected="true" />
    <movesvehicletype selected="false" />
    <onroadscc selected="false" />
    <estimateuncertainty selected="false" numberOfIterations="2" keepSampledData="false"
keepIterations="false" />
    <sector selected="false" />
    <engtechid selected="false" />
    <hpclass selected="false" />
    <regclassid selected="false" />
</outputemissionsbreakdownselection>

```

```

<outputdatabase servername=""
databasename="out_ct_2018_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost"
databasename="in_2018_9003_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
    <donotperformfinalaggregation selected="false"/>
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true"/>
</runspec>

```

## 2018 Litchfield

```
<runspec version="MOVES2014a-20151201">
    <description><![CDATA[Litchfield County (09005) for 2018
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
    <models>
        <model value="ONROAD"/>
    </models>
    <modelscale value="Inv"/>
    <modeldomain value="SINGLE"/>
    <geographicselections>
        <geographicselection type="COUNTY" key="9005" description="CONNECTICUT -
Litchfield County"/>
    </geographicselections>
    <timespan>
        <year key="2018"/>
        <month id="7"/>
        <day id="5"/>
        <beginhour id="1"/>
        <endhour id="24"/>
        <aggregateBy key="Hour"/>
    </timespan>
    <onroadvehicleselections>
        <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    </onroadvehicleselections>
</runspec>
```

```

<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
            <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
                <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
                    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
                        <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
                            <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
                                <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
                                    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
                                    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
                                    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
                                <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
                                <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
                                <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
                                <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
                                <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
                                <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
                                <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
                                <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
                                <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
                            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"

```

```

sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>

```

```
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="1" processname="Running Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="2" processname="Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="11" processname="Evap Permeation"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
```

```

Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" databaseName="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" databaseName="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" databaseName="" description="" />
<uncertaintyparameters uncertaintyModeEnabled="false" numberofrunsperSimulation="0"
numberofSimulations="0" />
<geographicOutputDetail description="COUNTY" />
<outputEmissionsBreakdownSelection>
    <modelYear selected="false" />
    <fuelType selected="true" />
    <fuelSubtype selected="false" />
    <emissionProcess selected="true" />
    <onRoadOffRoad selected="true" />
    <roadType selected="true" />
    <sourceUseType selected="true" />
    <movesVehicleType selected="false" />
    <onRoadScc selected="false" />
    <estimateUncertainty selected="false" numberIterations="2"
keepSampledData="false" keepIterations="false" />
    <sector selected="false" />

```

```

<engtechid selected="false"/>
<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2018_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2018_9005_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
    <donotperformfinalaggregation selected="false"/>
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatebaserates="true"/>
</runspec>

```

## 2018 Middlesex

```
<runspec version="MOVES2014a-20151201">
    <description><![CDATA[Middlesex County (09007) for 2018
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
    <models>
        <model value="ONROAD"/>
    </models>
    <modelscale value="Inv"/>
    <modeldomain value="SINGLE"/>
    <geographicselections>
        <geographicselection type="COUNTY" key="9007" description="CONNECTICUT -
Middlesex County"/>
    </geographicselections>
    <timespan>
        <year key="2018"/>
        <month id="7"/>
        <day id="5"/>
        <beginhour id="1"/>
        <endhour id="24"/>
        <aggregateBy key="Hour"/>
    </timespan>
    <onroadvehicleselections>
        <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
        <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

```

```

(NOx)" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database=""" description="" />
<uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
    <modelyear selected="false" />
    <fueltype selected="true" />
    <fuelsubtype selected="false" />
    <emissionprocess selected="true" />
    <onroadoffroad selected="true" />
    <roadtype selected="true" />
    <sourceusetype selected="true" />
    <movesvehicletype selected="false" />
    <onroadscc selected="false" />
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
    <sector selected="false" />
    <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2018_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2018_9007_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2018 New Haven

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[New Haven County (09009) for 2018
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9009" description="CONNECTICUT - New
Haven County"/>
  </geographicselections>
  <timespan>
    <year key="2018"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

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sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

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<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
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<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

```

```

(NOx)" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
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classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
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<uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
    <modelyear selected="false" />
    <fueltype selected="true" />
    <fuelsubtype selected="false" />
    <emissionprocess selected="true" />
    <onroadoffroad selected="true" />
    <roadtype selected="true" />
    <sourceusetype selected="true" />
    <movesvehicletype selected="false" />
    <onroadscc selected="false" />
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
    <sector selected="false" />
    <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2018_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2018_9009_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2018 New London

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[New London County (09011) for 2018
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9011" description="CONNECTICUT - New
London County"/>
  </geographicselections>
  <timespan>
    <year key="2018"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

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```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

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```

(NOx)" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

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```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
            <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
        </pollutantprocessassociations>
    <databaseselections>
        <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
        <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
    </databaseselections>
    <internalcontrolstrategies>
        <internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
    </internalcontrolstrategies>
    <inputdatabase servername="" database=""" description="" />
    <uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
    <geographicoutputdetail description="COUNTY" />
    <outputemissionsbreakdownselection>
        <modelyear selected="false" />
        <fueltype selected="true" />
        <fuelsubtype selected="false" />
        <emissionprocess selected="true" />
        <onroadoffroad selected="true" />
        <roadtype selected="true" />
        <sourceusetype selected="true" />
        <movesvehicletype selected="false" />
        <onroadscc selected="false" />
        <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
        <sector selected="false" />
        <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2018_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2018_9011_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2018 Tolland

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Tolland County (09013) for 2018
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9013" description="CONNECTICUT - Tolland
County"/>
  </geographicselections>
  <timespan>
    <year key="2018"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

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<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
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<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

```

```

(NOX)" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOX)" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOX)" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOX)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOX)" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOX)" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
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<uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
    <modelyear selected="false" />
    <fueltype selected="true" />
    <fuelsubtype selected="false" />
    <emissionprocess selected="true" />
    <onroadoffroad selected="true" />
    <roadtype selected="true" />
    <sourceusetype selected="true" />
    <movesvehicletype selected="false" />
    <onroadscc selected="false" />
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
    <sector selected="false" />
    <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2018_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2018_9013_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2018 Windham

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Windham County (09015) for 2018
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9015" description="CONNECTICUT -
Windham County"/>
  </geographicselections>
  <timespan>
    <year key="2018"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
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    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
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sourcetypename="Combination Long-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
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```

sourcetypename="Passenger Truck"/>
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sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
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sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
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sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
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sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
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sourcetypeid="21" sourcetypename="Passenger Car"/>
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sourcetypeid="31" sourcetypename="Passenger Truck"/>
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sourcetypename="Combination Short-haul Truck"/>
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sourcetypename="Light Commercial Truck"/>
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sourcetypename="Motor Home"/>
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sourcetypename="Motorcycle"/>
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sourcetypename="Passenger Car"/>
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sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
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sourcetypename="Single Unit Long-haul Truck"/>
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sourcetypename="Single Unit Short-haul Truck"/>

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<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
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modelCombination="M1"/>
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    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
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    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
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Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
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```

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(NOx)" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
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(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
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(NOx)" processkey="90" processname="Extended Idle Exhaust"/>
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    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
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    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
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    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
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    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
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    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="13" processname="Evap Fuel Leaks"/>
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Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

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<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
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<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
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description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
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gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
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numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
    <modelyear selected="false" />
    <fueltype selected="true" />
    <fuelsubtype selected="false" />
    <emissionprocess selected="true" />
    <onroadoffroad selected="true" />
    <roadtype selected="true" />
    <sourceusetype selected="true" />
    <movesvehicletype selected="false" />
    <onroadscc selected="false" />
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
    <sector selected="false" />
    <engtechid selected="false" />

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<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
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<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
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  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

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## 2025 Fairfield

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County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
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    <geographicselection type="COUNTY" key="9001" description="CONNECTICUT -
Fairfield County"/>
  </geographicselections>
  <timespan>
    <year key="2025"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
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sourcetypeid="42" sourcetypename="Transit Bus"/>
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sourcetypename="Combination Long-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

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sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
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sourcetypeid="31" sourcetypename="Passenger Truck"/>
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sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
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sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
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sourcetypename="Passenger Truck"/>
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sourcetypename="Refuse Truck"/>
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sourcetypename="School Bus"/>
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sourcetypename="Single Unit Short-haul Truck"/>

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</offroadvehicleselections>
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modelCombination="M1"/>
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modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
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    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
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    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
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    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
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Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
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```

```

(NOx)" processkey="2" processname="Start Exhaust"/>
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(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
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Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
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    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
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Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
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    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
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]]></internalcontrolstrategy>
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    <onroadoffroad selected="true" />
    <roadtype selected="true" />
    <sourceusetype selected="true" />
    <movesvehicletype selected="false" />
    <onroadscc selected="false" />
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<outputpopulation value="true"/>
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  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2025 Hartford

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Hartford County (09003) for 2025
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9003" description="CONNECTICUT -
Hartford County"/>
  </geographicselections>
  <timespan>
    <year key="2025"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
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<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

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(NOx)" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="11" processname="Evap Permeation"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="13" processname="Evap Fuel Leaks"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
  <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
  <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database=""" description="" />
<uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
  <modelyear selected="false" />
  <fueltype selected="true" />
  <fuelsubtype selected="false" />
  <emissionprocess selected="true" />
  <onroadoffroad selected="true" />
  <roadtype selected="true" />
  <sourceusetype selected="true" />
  <movesvehicletype selected="false" />
  <onroadscc selected="false" />
  <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
  <sector selected="false" />
  <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2025_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2025_9003_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2025 Litchfield

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Litchfield County (09005) for 2025
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9005" description="CONNECTICUT -
Litchfield County"/>
  </geographicselections>
  <timespan>
    <year key="2025"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

```

```

(NOx)" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
            <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
        </pollutantprocessassociations>
    <databaseselections>
        <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
        <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
    </databaseselections>
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        <internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
    </internalcontrolstrategies>
    <inputdatabase servername="" database=""" description="" />
    <uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
    <geographicoutputdetail description="COUNTY" />
    <outputemissionsbreakdownselection>
        <modelyear selected="false" />
        <fueltype selected="true" />
        <fuelsubtype selected="false" />
        <emissionprocess selected="true" />
        <onroadoffroad selected="true" />
        <roadtype selected="true" />
        <sourceusetype selected="true" />
        <movesvehicletype selected="false" />
        <onroadscc selected="false" />
        <estimateuncertainty selected="false" numberofiterations="2"
keepSampledData="false" keepIterations="false" />
        <sector selected="false" />
        <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2025_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2025_9005_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2025 Middlesex

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Middlesex County (09007) for 2025
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9007" description="CONNECTICUT -
Middlesex County"/>
  </geographicselections>
  <timespan>
    <year key="2025"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

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(NOx)" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="11" processname="Evap Permeation"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="13" processname="Evap Fuel Leaks"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database=""" description="" />
<uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
    <modelyear selected="false" />
    <fueltype selected="true" />
    <fuelsubtype selected="false" />
    <emissionprocess selected="true" />
    <onroadoffroad selected="true" />
    <roadtype selected="true" />
    <sourceusetype selected="true" />
    <movesvehicletype selected="false" />
    <onroadscc selected="false" />
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
    <sector selected="false" />
    <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2025_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2025_9007_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2025 New Haven

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[New Haven County (09009) for 2025
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9009" description="CONNECTICUT - New
Haven County"/>
  </geographicselections>
  <timespan>
    <year key="2025"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

```

(NOx)" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="11" processname="Evap Permeation"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="13" processname="Evap Fuel Leaks"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
            <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
        </pollutantprocessassociations>
    <databaseselections>
        <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
        <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
    </databaseselections>
    <internalcontrolstrategies>
        <internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
    </internalcontrolstrategies>
    <inputdatabase servername="" database=""" description="" />
    <uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
    <geographicoutputdetail description="COUNTY" />
    <outputemissionsbreakdownselection>
        <modelyear selected="false" />
        <fueltype selected="true" />
        <fuelsubtype selected="false" />
        <emissionprocess selected="true" />
        <onroadoffroad selected="true" />
        <roadtype selected="true" />
        <sourceusetype selected="true" />
        <movesvehicletype selected="false" />
        <onroadscc selected="false" />
        <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
        <sector selected="false" />
        <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2025_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2025_9009_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2025 New London

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[New London County (09011) for 2025
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9011" description="CONNECTICUT - New
London County"/>
  </geographicselections>
  <timespan>
    <year key="2025"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

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(NOx)" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
            <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
        </pollutantprocessassociations>
    <databaseselections>
        <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
        <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
    </databaseselections>
    <internalcontrolstrategies>
        <internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
    </internalcontrolstrategies>
    <inputdatabase servername="" database=""" description="" />
    <uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
    <geographicoutputdetail description="COUNTY" />
    <outputemissionsbreakdownselection>
        <modelyear selected="false" />
        <fueltype selected="true" />
        <fuelsubtype selected="false" />
        <emissionprocess selected="true" />
        <onroadoffroad selected="true" />
        <roadtype selected="true" />
        <sourceusetype selected="true" />
        <movesvehicletype selected="false" />
        <onroadscc selected="false" />
        <estimateuncertainty selected="false" numberOfIterations="2"
keepSampledData="false" keepIterations="false" />
        <sector selected="false" />
        <engtechid selected="false" />
    </outputemissionsbreakdownselection>

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2025_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2025_9011_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2025 Tolland

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Tolland County (09013) for 2025
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9013" description="CONNECTICUT - Tolland
County"/>
  </geographicselections>
  <timespan>
    <year key="2025"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

```

```

(NOx)" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database=""" description="" />
<uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
    <modelyear selected="false" />
    <fueltype selected="true" />
    <fuelsubtype selected="false" />
    <emissionprocess selected="true" />
    <onroadoffroad selected="true" />
    <roadtype selected="true" />
    <sourceusetype selected="true" />
    <movesvehicletype selected="false" />
    <onroadscc selected="false" />
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
    <sector selected="false" />
    <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2025_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2025_9013_2017conformity_summer_20170406" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2025 Windham

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Windham County (09015) for 2025
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9015" description="CONNECTICUT -
Windham County"/>
  </geographicselections>
  <timespan>
    <year key="2025"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
      <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

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<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

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(NOx)" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database=""" description="" />
<uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
    <modelyear selected="false" />
    <fueltype selected="true" />
    <fuelsubtype selected="false" />
    <emissionprocess selected="true" />
    <onroadoffroad selected="true" />
    <roadtype selected="true" />
    <sourceusetype selected="true" />
    <movesvehicletype selected="false" />
    <onroadscc selected="false" />
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
    <sector selected="false" />
    <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2025_2017conformity_summer_20170406" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2025_9015_2017conformity_summer_20170407" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2035 Fairfield

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Fairfield County (09001) for 2035
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels (except
placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9001" description="CONNECTICUT -
Fairfield County"/>
  </geographicselections>
  <timespan>
    <year key="2035"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas (CNG)"
sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="62"
sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="41"
sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="31"
```

```

sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel" sourcetypeid="42"
sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="61"
sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="32"
sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="54"
sourcetypename="Motor Home"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="11"
sourcetypename="Motorcycle"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="21"
sourcetypename="Passenger Car"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="31"
sourcetypename="Passenger Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="51"
sourcetypename="Refuse Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="43"
sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="53"
sourcetypename="Single Unit Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="52"
sourcetypename="Single Unit Short-haul Truck"/>

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```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline" sourcetypeid="42"
sourcetypename="Transit Bus"/>
</onroadvehicleselections>
<offroadvehicleselections>
</offroadvehicleselections>
<offroadvehiclesccs>
</offroadvehiclesccs>
<roadtypes separatoramps="false">
    <roadtype roadtypeid="1" roadtypename="Off-Network" modelCombination="M1"/>
    <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
    <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
</roadtypes>
<pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen
(NOx)" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen

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(NOx)" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen  
(NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous  
Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="11" processname="Evap Permeation"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="13" processname="Evap Fuel Leaks"/>  
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic  
Compounds" processkey="15" processname="Crankcase Running Exhaust"/>

```

<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="17" processname="Crankcase Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="90" processname="Extended Idle Exhaust"/>
<pollutantprocessassociation pollutantkey="87" pollutantname="Volatile Organic
Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
  <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
  <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.rateofpro
gress.RateOfProgressStrategy"><![CDATA[
useParameters No

]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database=""" description="" />
<uncertaintyparameters uncertaintymodeenabled="false" numberofrunspersimulation="0"
numberofsimulations="0" />
<geographicoutputdetail description="COUNTY" />
<outputemissionsbreakdownselection>
  <modelyear selected="false" />
  <fueltype selected="true" />
  <fuelsubtype selected="false" />
  <emissionprocess selected="true" />
  <onroadoffroad selected="true" />
  <roadtype selected="true" />
  <sourceusetype selected="true" />
  <movesvehicletype selected="false" />
  <onroadscc selected="false" />
  <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false" />
  <sector selected="false" />
  <engtechid selected="false" />

```

```

<hpclass selected="false"/>
<regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabase servername="" databasename="out_ct_2035_2017conformity_summer_20170407" description="" />
<outputtimestep value="Hour"/>
<outputvmtdata value="true"/>
<outputsho value="true"/>
<outputsh value="true"/>
<outputshp value="true"/>
<outputshidling value="true"/>
<outputstarts value="true"/>
<outputpopulation value="true"/>
<scaleinputdatabase servername="localhost" databasename="in_2035_9001_2017conformity_summer_20170407" description="" />
<pmsize value="0"/>
<outputfactors>
  <timefactors selected="true" units="Hours"/>
  <distancefactors selected="true" units="Miles"/>
  <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename="" description="" />
  <donotperformfinalaggregation selected="false"/>
  <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true" truncatibaserates="true"/>
</runspec>

```

## 2035 Hartford

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Hartford County (09003) for 2035
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9003" description="CONNECTICUT -
Hartford County"/>
  </geographicselections>
  <timespan>
    <year key="2035"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

```

Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous

```

    Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
    </pollutantprocessassociations>
    <databaseselections>
        <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
        <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
    </databaseselections>
    <internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
    </internalcontrolstrategies>
    <inputdatabase servername="" database="''" description="''"/>
    <uncertaintyparameters uncertaintymodeenabled="false">

```

```

numberofrunspersimulation="0" numberofsimulations="0"/>
<geographicoutputdetail description="COUNTY"/>
<outputemissionsbreakdownselection>
    <modelyear selected="false"/>
    <fueltype selected="true"/>
    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2035_2017conformity_summer_20170407" description="">
    <outputtimestep value="Hour"/>
    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
    <scaleinputdatabaseservername="localhost">
databasename="in_2035_9003_2017conformity_summer_20170407" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>

```

```
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename=""
description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2035 Litchfield

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Litchfield County (09005) for 2035
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9005" description="CONNECTICUT -
Litchfield County"/>
  </geographicselections>
  <timespan>
    <year key="2035"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separatoramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

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Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
            <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
                            <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
                                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
  <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous

```

Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database="''" description="''"/>
<uncertaintyparameters uncertaintymodeenabled="false">

```

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numberofrunspersimulation="0" numberofsimulations="0"/>
<geographicoutputdetail description="COUNTY"/>
<outputemissionsbreakdownselection>
    <modelyear selected="false"/>
    <fueltype selected="true"/>
    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2035_2017conformity_summer_20170407" description="">
    <outputtimestep value="Hour"/>
    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
    <scaleinputdatabaseservername="localhost">
databasename="in_2035_9005_2017conformity_summer_20170407" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>

```

```
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename=""
description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2035 Middlesex

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Middlesex County (09007) for 2035
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9007" description="CONNECTICUT -
Middlesex County"/>
  </geographicselections>
  <timespan>
    <year key="2035"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

```

Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
            <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
                            <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
                                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
  <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
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```

Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
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    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
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<uncertaintyparameters uncertaintymodeenabled="false">

```

```

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    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2035_2017conformity_summer_20170407" description="">
    <outputtimestep value="Hour"/>
    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
    <scaleinputdatabaseservername="localhost">
databasename="in_2035_9007_2017conformity_summer_20170407" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>

```

```
<savedata>

</savedata>

<donotexecute>

</donotexecute>

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    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2035 New Haven

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[New Haven County (09009) for 2035
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9009" description="CONNECTICUT -
New Haven County"/>
  </geographicselections>
  <timespan>
    <year key="2035"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

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Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous

```

Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database="''" description="''"/>
<uncertaintyparameters uncertaintymodeenabled="false">

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numberofrunspersimulation="0" numberofsimulations="0"/>
<geographicoutputdetail description="COUNTY"/>
<outputemissionsbreakdownselection>
    <modelyear selected="false"/>
    <fueltype selected="true"/>
    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2035_2017conformity_summer_20170407" description="">
    <outputtimestep value="Hour"/>
    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
    <scaleinputdatabaseservername="localhost">
databasename="in_2035_9009_2017conformity_summer_20170407" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>

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```
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename=""
description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2035 New London

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[New London County (09011) for 2035
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9011" description="CONNECTICUT -
New London County"/>
  </geographicselections>
  <timespan>
    <year key="2035"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

```

Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
            <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
                            <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
                                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
  <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
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```

Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
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    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
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<uncertaintyparameters uncertaintymodeenabled="false">

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```

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    <fueltype selected="true"/>
    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2035_2017conformity_summer_20170407" description="">
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    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
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databasename="in_2035_9011_2017conformity_summer_20170407" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>

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<savedata>

</savedata>

<donotexecute>

</donotexecute>

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description="" />
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    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2035 Tolland

```
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  <description><![CDATA[Tolland County (09013) for 2035
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9013" description="CONNECTICUT -
Tolland County"/>
  </geographicselections>
  <timespan>
    <year key="2035"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

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Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
            <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
                            <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
                                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
  <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous

```

Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database="''" description="''"/>
<uncertaintyparameters uncertaintymodeenabled="false">

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```

numberofrunspersimulation="0" numberofsimulations="0"/>
    <geographicoutputdetail description="COUNTY"/>
    <outputemissionsbreakdownselection>
        <modelyear selected="false"/>
        <fueltype selected="true"/>
        <fuelsubtype selected="false"/>
        <emissionprocess selected="true"/>
        <onroadoffroad selected="true"/>
        <roadtype selected="true"/>
        <sourceusestype selected="true"/>
        <movesvehicletype selected="false"/>
        <onroadscc selected="false"/>
        <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
        <sector selected="false"/>
        <engtechid selected="false"/>
        <hpclass selected="false"/>
        <regclassid selected="false"/>
    </outputemissionsbreakdownselection>
    <outputdatabaseservername="">
databasename="out_ct_2035_2017conformity_summer_20170407" description="">
        <outputtimestep value="Hour"/>
        <outputvmtdata value="true"/>
        <outputsho value="true"/>
        <outputsh value="true"/>
        <outputshp value="true"/>
        <outputshidling value="true"/>
        <outputstarts value="true"/>
        <outputpopulation value="true"/>
        <scaleinputdatabaseservername="localhost">
databasename="in_2035_9013_2017conformity_summer_20170407" description="">
        <pmsize value="0"/>
    <outputfactors>
        <timefactors selected="true" units="Hours"/>
        <distancefactors selected="true" units="Miles"/>
        <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
    </outputfactors>

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<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename=""
description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2035 Windham

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Windham County (09015) for 2035
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9015" description="CONNECTICUT -
Windham County"/>
  </geographicselections>
  <timespan>
    <year key="2035"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
    </onroadvehicleselections>
    <offroadvehicleselections>
    </offroadvehicleselections>
    <offroadvehiclesccs>
    </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

```

Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
            <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
                            <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
                                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
  <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
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```

Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
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    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database="''" description="''"/>
<uncertaintyparameters uncertaintymodeenabled="false">

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```

numberofrunspersimulation="0" numberofsimulations="0"/>
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    <fueltype selected="true"/>
    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2035_2017conformity_summer_20170407" description="">
    <outputtimestep value="Hour"/>
    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
    <scaleinputdatabaseservername="localhost">
databasename="in_2035_9015_2017conformity_summer_20170407" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>

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<savedata>

</savedata>

<donotexecute>

</donotexecute>

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    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2040 Fairfield

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Fairfield County (09001) for 2040
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9001" description="CONNECTICUT -
Fairfield County"/>
  </geographicselections>
  <timespan>
    <year key="2040"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
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sourcetypeid="41" sourcetypename="Intercity Bus"/>
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sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
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sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
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sourcetypeid="43" sourcetypename="School Bus"/>
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sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
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sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
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sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
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modelCombination="M1"/>
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Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
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Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>

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<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>

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<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>

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<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>

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<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

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Organic Compounds" processkey="11" processname="Evap Permeation"/>
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Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
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    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
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Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
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description="" />
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    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
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</outputemissionsbreakdownselection>
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databasename="out_ct_2040_2017conformity_summer_20170407" description="">
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    <outputvmtdata value="true"/>
    <outputsho value="true"/>
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    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
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databasename="in_2040_9001_2017conformity_summer_20170407" description="">
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</savedata>

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</donotexecute>

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truncatebaserates="true" />
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## 2040 Hartford

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County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
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  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
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Hartford County"/>
  </geographicselections>
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    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
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(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
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    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
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<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
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sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
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sourcetypeid="31" sourcetypename="Passenger Truck"/>
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sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
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sourcetypeid="21" sourcetypename="Passenger Car"/>
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sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
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sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
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sourcetypeid="42" sourcetypename="Transit Bus"/>
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description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2040 Litchfield

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Litchfield County (09005) for 2040
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9005" description="CONNECTICUT -
Litchfield County"/>
  </geographicselections>
  <timespan>
    <year key="2040"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
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        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
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Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

```

Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous

```

Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
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classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
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<uncertaintyparameters uncertaintymodeenabled="false">

```

```

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    <fueltype selected="true"/>
    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2040_2017conformity_summer_20170407" description="">
    <outputtimestep value="Hour"/>
    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
    <scaleinputdatabaseservername="localhost">
databasename="in_2040_9005_2017conformity_summer_20170410" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>

```

```
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename=""
description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2040 Middlesex

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Middlesex County (09007) for 2040
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9007" description="CONNECTICUT -
Middlesex County"/>
  </geographicselections>
  <timespan>
    <year key="2040"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
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modelCombination="M1"/>
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Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
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```

Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous

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Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
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description="" />
</databaseselections>
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useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
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        <roadtype selected="true"/>
        <sourceusestype selected="true"/>
        <movesvehicletype selected="false"/>
        <onroadscc selected="false"/>
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keepSampledData="false" keepIterations="false"/>
        <sector selected="false"/>
        <engtechid selected="false"/>
        <hpclass selected="false"/>
        <regclassid selected="false"/>
    </outputemissionsbreakdownselection>
    <outputdatabaseservername="">
databasename="out_ct_2040_2017conformity_summer_20170407" description="">
        <outputtimestep value="Hour"/>
        <outputvmtdata value="true"/>
        <outputsho value="true"/>
        <outputsh value="true"/>
        <outputshp value="true"/>
        <outputshidling value="true"/>
        <outputstarts value="true"/>
        <outputpopulation value="true"/>
        <scaleinputdatabaseservername="localhost">
databasename="in_2040_9007_2017conformity_summer_20170410" description="">
        <pmsize value="0"/>
    <outputfactors>
        <timefactors selected="true" units="Hours"/>
        <distancefactors selected="true" units="Miles"/>
        <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
    </outputfactors>

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<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename=""
description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2040 New Haven

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[New Haven County (09009) for 2040
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9009" description="CONNECTICUT -
New Haven County"/>
  </geographicselections>
  <timespan>
    <year key="2040"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
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modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
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Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

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Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
            <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous

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    Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
        <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
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description="" />
        <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
    </databaseselections>
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classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
    </internalcontrolstrategies>
    <inputdatabase servername="" database="''" description="''"/>
    <uncertaintyparameters uncertaintymodeenabled="false">

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    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2040_2017conformity_summer_20170407" description="">
    <outputtimestep value="Hour"/>
    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
    <scaleinputdatabaseservername="localhost">
databasename="in_2040_9009_2017conformity_summer_20170410" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>

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```
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename=""
description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2040 New London

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[New London County (09011) for 2040
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9011" description="CONNECTICUT -
New London County"/>
  </geographicselections>
  <timespan>
    <year key="2040"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

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<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
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        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

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Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>

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<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>

<pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous

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Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database="''" description="''"/>
<uncertaintyparameters uncertaintymodeenabled="false">

```

```

numberofrunspersimulation="0" numberofsimulations="0"/>
<geographicoutputdetail description="COUNTY"/>
<outputemissionsbreakdownselection>
    <modelyear selected="false"/>
    <fueltype selected="true"/>
    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2040_2017conformity_summer_20170407" description="">
    <outputtimestep value="Hour"/>
    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
    <scaleinputdatabaseservername="localhost">
databasename="in_2040_9011_2017conformity_summer_20170410" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>
```

```
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename=""
description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2040 Tolland

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Tolland County (09013) for 2040
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9013" description="CONNECTICUT -
Tolland County"/>
  </geographicselections>
  <timespan>
    <year key="2040"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

```

Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
            <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
                            <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
                                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
  <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous

```

Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="11" processname="Evap Permeation"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="12" processname="Evap Fuel Vapor Venting"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="13" processname="Evap Fuel Leaks"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="15" processname="Crankcase Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="16" processname="Crankcase Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="17" processname="Crankcase Extended Idle
Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="87" pollutantname="Volatile
Organic Compounds" processkey="91" processname="Auxiliary Power Exhaust"/>
</pollutantprocessassociations>
<databaseselections>
    <databaselocation servername="" database="MOVES2014_early_NLEV"
description="" />
    <databaselocation servername="" database="MOVES2014_mylevs"
description="" />
</databaseselections>
<internalcontrolstrategies>
<internalcontrolstrategy
classname="gov.epa.otaq.moves.master.implementation.ghg.internalcontrolstrategies.r
ateofprogress.RateOfProgressStrategy"><![CDATA[
useParameters No
]]></internalcontrolstrategy>
</internalcontrolstrategies>
<inputdatabase servername="" database="''" description="''"/>
<uncertaintyparameters uncertaintymodeenabled="false">

```

```

numberofrunspersimulation="0" numberofsimulations="0"/>
<geographicoutputdetail description="COUNTY"/>
<outputemissionsbreakdownselection>
    <modelyear selected="false"/>
    <fueltype selected="true"/>
    <fuelsubtype selected="false"/>
    <emissionprocess selected="true"/>
    <onroadoffroad selected="true"/>
    <roadtype selected="true"/>
    <sourceusestype selected="true"/>
    <movesvehicletype selected="false"/>
    <onroadscc selected="false"/>
    <estimateuncertainty selected="false" numberOflterations="2"
keepSampledData="false" keepIterations="false"/>
    <sector selected="false"/>
    <engtechid selected="false"/>
    <hpclass selected="false"/>
    <regclassid selected="false"/>
</outputemissionsbreakdownselection>
<outputdatabaseservername="">
databasename="out_ct_2040_2017conformity_summer_20170407" description="">
    <outputtimestep value="Hour"/>
    <outputvmtdata value="true"/>
    <outputsho value="true"/>
    <outputsh value="true"/>
    <outputshp value="true"/>
    <outputshidling value="true"/>
    <outputstarts value="true"/>
    <outputpopulation value="true"/>
    <scaleinputdatabaseservername="localhost">
databasename="in_2040_9013_2017conformity_summer_20170410" description="">
    <pmsize value="0"/>
<outputfactors>
    <timefactors selected="true" units="Hours"/>
    <distancefactors selected="true" units="Miles"/>
    <massfactors selected="true" units="U.S. Ton" energyunits="Joules"/>
</outputfactors>

```

```
<savedata>

</savedata>

<donotexecute>

</donotexecute>

<generatordatabase shouldsave="false" servername="" databasename=""
description="" />
    <donotperformfinalaggregation selected="false" />
    <lookuptableflags scenarioid="" truncateoutput="true" truncateactivity="true"
truncatebaserates="true" />
</runspec>
```

## 2040 Windham

```
<runspec version="MOVES2014a-20151201">
  <description><![CDATA[Windham County (09015) for 2040
County scale, inventory mode, july (summer day run), weekdays, 24 hours, all fuels
(except placeholder and LPG)/source use type combinations, all road types.
VOCs and NOx. For use in the 2017 Conformity
April 2017]]></description>
  <models>
    <model value="ONROAD"/>
  </models>
  <modelscale value="Inv"/>
  <modeldomain value="SINGLE"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="9015" description="CONNECTICUT -
Windham County"/>
  </geographicselections>
  <timespan>
    <year key="2040"/>
    <month id="7"/>
    <day id="5"/>
    <beginhour id="1"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="3" fueltypedesc="Compressed Natural Gas
(CNG)" sourcetypeid="42" sourcetypename="Transit Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetypename="Combination Long-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="41" sourcetypename="Intercity Bus"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="54" sourcetypename="Motor Home"/>
```

```
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="43" sourcetypename="School Bus"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
<onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="42" sourcetypename="Transit Bus"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="9" fueltypedesc="Electricity"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="5" fueltypedesc="Ethanol (E-85)"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="61" sourcetypename="Combination Short-haul Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="32" sourcetypename="Light Commercial Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="54" sourcetypename="Motor Home"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="11" sourcetypename="Motorcycle"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="21" sourcetypename="Passenger Car"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="31" sourcetypename="Passenger Truck"/>
<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="51" sourcetypename="Refuse Truck"/>
```

```

<onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="43" sourcetypename="School Bus"/>
    <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="53" sourcetypename="Single Unit Long-haul Truck"/>
        <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="52" sourcetypename="Single Unit Short-haul Truck"/>
            <onroadvehicleselection fueltypeid="1" fueltypedesc="Gasoline"
sourcetypeid="42" sourcetypename="Transit Bus"/>
        </onroadvehicleselections>
    <offroadvehicleselections>
        </offroadvehicleselections>
    <offroadvehiclesccs>
        </offroadvehiclesccs>
    <roadtypes separateramps="false">
        <roadtype roadtypeid="1" roadtypename="Off-Network"
modelCombination="M1"/>
        <roadtype roadtypeid="2" roadtypename="Rural Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="4" roadtypename="Urban Restricted Access"
modelCombination="M1"/>
        <roadtype roadtypeid="5" roadtypename="Urban Unrestricted Access"
modelCombination="M1"/>
    </roadtypes>
    <pollutantprocessassociations>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="1" processname="Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="2" processname="Start Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="11" processname="Evap Permeation"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane
Hydrocarbons" processkey="15" processname="Crankcase Running Exhaust"/>
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane

```

Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
    <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
        <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="90" processname="Extended Idle Exhaust"/>  
            <pollutantprocessassociation pollutantkey="79" pollutantname="Non-Methane Hydrocarbons" processkey="91" processname="Auxiliary Power Exhaust"/>  
                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="1" processname="Running Exhaust"/>  
                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="2" processname="Start Exhaust"/>  
                        <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="15" processname="Crankcase Running Exhaust"/>  
                            <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="16" processname="Crankcase Start Exhaust"/>  
                                <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="17" processname="Crankcase Extended Idle Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="90" processname="Extended Idle Exhaust"/>  
  <pollutantprocessassociation pollutantkey="3" pollutantname="Oxides of Nitrogen (NOx)" processkey="91" processname="Auxiliary Power Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="1" processname="Running Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="2" processname="Start Exhaust"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="11" processname="Evap Permeation"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="12" processname="Evap Fuel Vapor Venting"/>  
                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="13" processname="Evap Fuel Leaks"/>  
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                                    <pollutantprocessassociation pollutantkey="1" pollutantname="Total Gaseous Hydrocarbons" processkey="16" processname="Crankcase Start Exhaust"/>  
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## **APPENDIX D**

### **ACRONYMS**

## Acronyms

<b>Acronym</b>	<b>Meaning</b>
CAAA	Clean Air Act Amendments (1990)
CO	Carbon Monoxide
COG	Council of Government
CTDOT	Connecticut Department of Transportation
CTDEEP	Connecticut Department of Environmental Protection
EPA	U.S. Environmental Protection Agency
FSD	Final Scope Development (Now PD)
ISTEA	Intermodal Surface Transportation Efficiency Act
MAP-21	Moving Ahead for Progress in the 21 <sup>st</sup> Century Act
MOVES	Mobile Vehicle Emission Simulator
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NH <sub>3</sub>	Ammonia
NOx	Nitrogen Oxides
PD	Preliminary Design (Formerly FSD)
PDWP	Project Development Work Program
PM <sub>2.5</sub>	Fine Particulate Matter
PMT	Person Miles Traveled
RA	Regional Administer
ROP	Rate of Progress
RTP	Regional Transportation Plan (generally refers to Regional Transportation Plan Update)
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SD	Study and Development
SIP	State Implementation Plan
SO <sub>x</sub>	Sulfur Oxides
STIP	Statewide Transportation Improvement Program
TCM	Transportation Control Measure
TIP	Transportation Improvement Program
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compound